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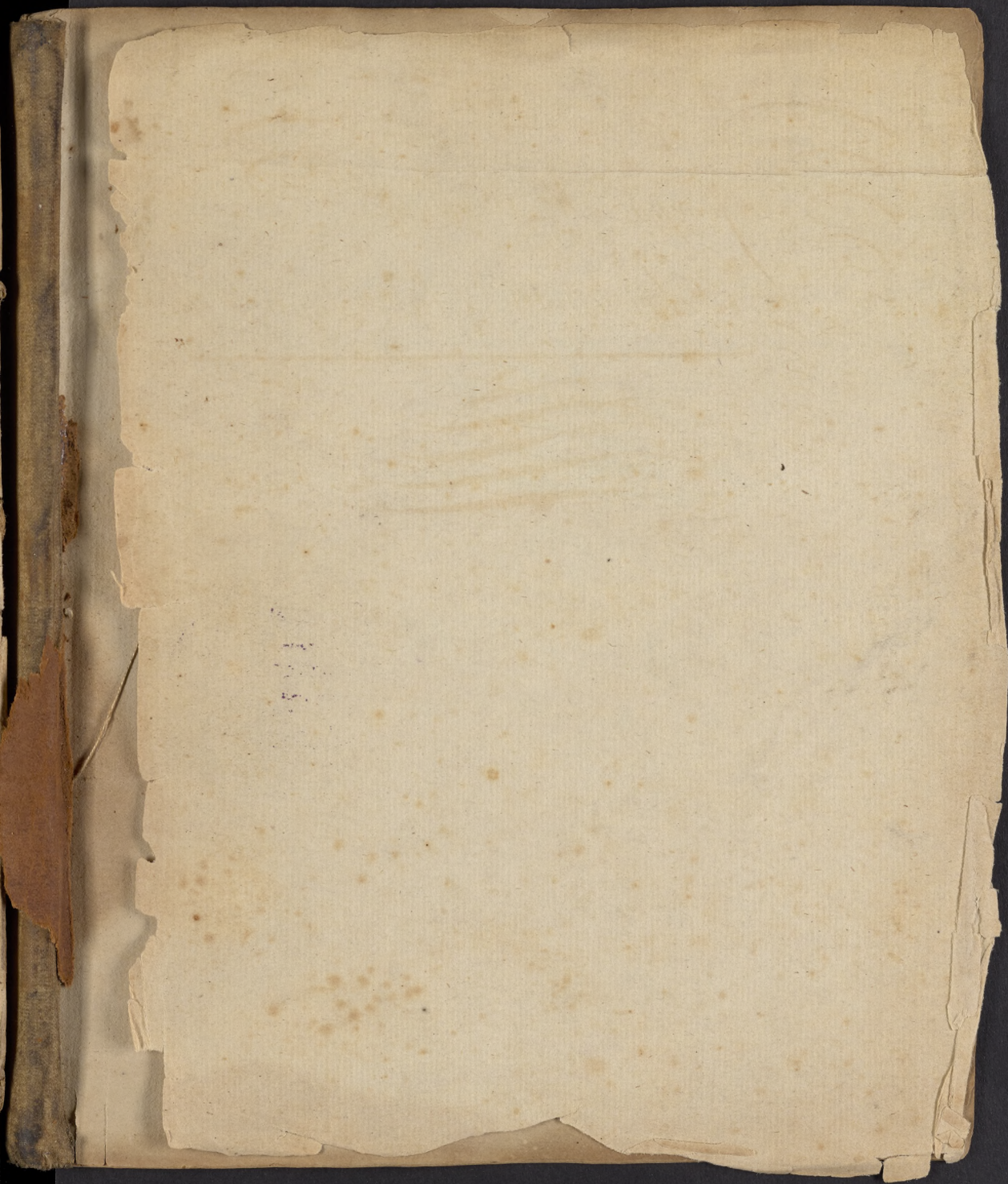
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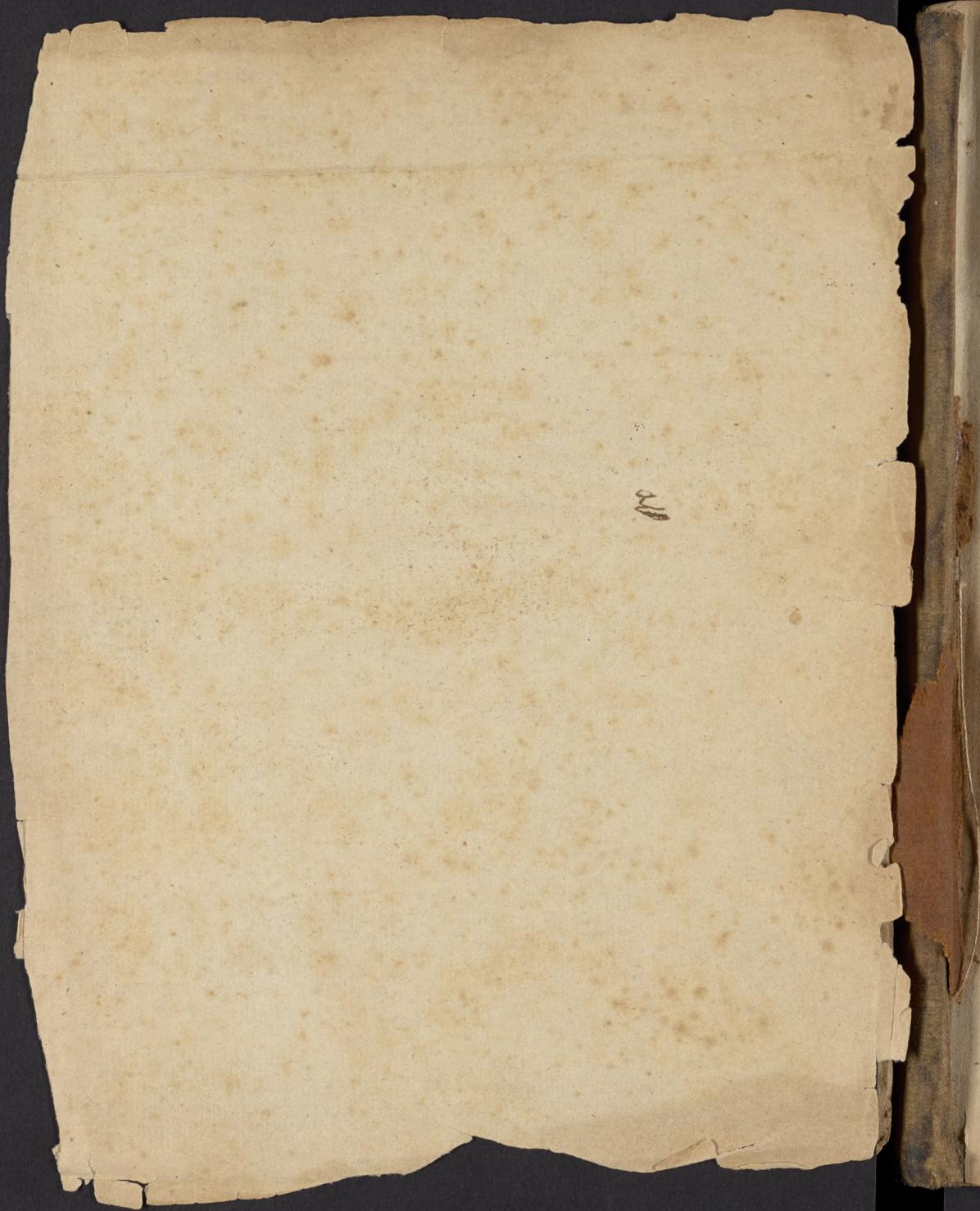
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Joseph H. Erwin

February 16<sup>th</sup> Anno Domini 1798

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Letter  
No. 1



# Lecture 1<sup>st</sup>

I Shall commence these Lectures by giving a few definitions.

1. A disease is that State of the System in which its Functions are performed with difficulty, or cannot be performed at all.

2. The causes of diseases are divided into Remote, Predisposing, Occasional, and Proximate; these are all Links of One Chain, for instance the Action of Cold Upon the System is the Remote Cause of Inflammatory Fever, the debility produced by that Cold proves a predisposing cause, The Heat of a Stove Room, or the vernal Sun is an Exciting cause.

3. A Symptom is the Apparent Cause of



- 2) A disease 4. Symptoms are of 3 kinds
1. Symptoms of the Cause, as pain, fever and Cough are Symptoms of the Cause in Pleurisy.
  2. Symptoms of the disease, and 3 Symptoms of Symptoms, as the difficult Respiration in Pleurisy is a Symptom of the pain
  4. Functions are Vital, Animal, and Natural,
  5. The diagnosis of a disease, is the distinguishing of one disease from all others by means of its Symptoms.
  6. The Prognosis is the prediction of the termination of a disease, whether in Life, death, or Another disease.
  7. Diseases are Symptomatic, or Idiopathic the Globus Hystericus, and Swelling of the Throat, are Examples of the former. Hysteria of the latter.



Eighth. Diseases are Natural and Artificial.  
The latter are the Offspring of Civilization,  
In the days of Sydenham 66,000 out of  
100,000 diseases were Fevers, but at present  
not more than 10,000 out of the Same number  
are So; The State of Civilization and Soci-  
ety in this Country are the Same as they  
were in England in the days of Sydenham.  
Nervous diseases compose a Great number  
and Proportion of Artificial diseases.  
9. Diseases are General affecting the whole  
System, or Local, affecting only a part.  
10. The Remedies are Natural and Artificial,  
the former are the Celebrated powers of nature,  
the latter are taken from the Materia  
Medica. These definitions being premised,  
we come now to consider the diseases of the  
Body, and shall commence with those  
of the Arterial System.



# FEVER.

It will be first Necessary to take Notice of the Several Proximate Causes, which have at different times Agitated the Schools of Medicine. The most commonly Supposed are, Sentor, Morbific matter, and Spasm, For a Refutation of the first, I Refer you to Cullen. I object to morbid matter as the Proximate cause, because it will not Explain the Phenomena of Fever, Fevers are brought on by External Injuries, debilitating Passions of the mind &c. which cannot be Supposed to have created any Morbid matter in the System, Fevers are cured Suddenly by Lightning, Electricity,



And Passions of the mind, which cannot 5  
be supposed to Expel any Morbific matter  
they are also cured by Bark &c without  
any Particular Evacuation, there is no  
Evidence of morbific matter in the Excre-  
tions, as Sweat, Urine &c. In Common fevers  
And if this does Sometimes Appear, it is only  
Accidental, those Abscesses which take place  
Sometimes in Livers and have been Suppo-  
sed an Evidence of Morbific Matter, arise  
Chiefly from the diminished Excitement of  
certain Vessels, we often see Abscesses in  
mania, which none ever ascribed to morbific  
matter. These Objections I conceive sufficient  
to overthrow the doctrine of Morbific matter.  
Doctor Cullens Theory of the Proximate cause  
of Fever is that Spasm takes place on the  
Capillary Vessels on the Surface; this will



(C) Not explain the Phenomena of Fever,  
Spasm appears to me only an Effect and  
not the Cause of Fever, any more than  
Heat, thirst, and high coloured Urine which  
Attend it. It arises wholly from an Abstrac-  
tion of Blood from the Extremities of the  
Arteries, I have Seen many Fevers come  
on by a profuse Perspiration, where Spasm  
could not be Supposed to Exist. D.<sup>r</sup> Brown  
has been Equally erroneous in making  
Fever to Consist in too much or too little  
Natural Excitement in the System - now  
according to this doctrine, a man Walking  
Rapidly up a Hill, has a fever of too  
much Excitement. True the Action of the  
Heart & Arteries is too much Accelerated,  
but this State of the System differs materially  
from a fever in which Irregular and  
Convulsive Action is Always present. having



Premise these objections, before I speak of 7  
my own Proximate cause, I shall deliver  
a few General Propositions.



1. All Fevers, nay farther, all General diseases  
depend Upon General Predisposing debility, I  
might even go farther and Say, that disease  
and debility are Synonymous Terms, for altho  
debility may exist without disease, yet disease  
cannot Exist without debility. debility is two  
fold direct or Indirect, The former being the  
Abstraction of all those Stimuli Necessary  
to Health, while an Excess in those Stimuli  
produce the latter.

To understand this we may Imagine a Scale  
on which 50 Stands as the Healthy point, if  
from any Cause the System falls below this  
point, direct debility ensues, and Indirect if  
it Runs above, in some Cases this debility if



P Above 70 or below 50 which is the Range of Predisposition, is itself a disease, tho' Seldom of Long Continuance, debility then is a General Term divided into direct, and Indirect. I Shall endeavor to prove that ~~debility~~ Fever depends upon Predisposing debility direct or Indirect, from the Causes which produced debility, producing also fever.

1. Of Causes Inducing direct debility.

1. Cold has always been allowed a Cause of Fever, that it induces debility, I infer from the Sanguor of the Inhabitants of cold Countries - The pulse of a Greenlander Seldom beats more than 40 or at most more than 50 Strokes in a minute. from the Prevalence of Scurvy in Cold Countries, which is well known to be a disease of debility, from Actual Experiments made by Doctor Broxton Phipps at Edinburgh, from the Greater Fatigue Attending



Labor in cold than in warm Climates - from 9  
The Effects of Cold on the Pulse of one of the  
Arms of a Child brought to The Hospital  
on a cold winter day, this Arm having  
been Exposed to the Weather during the walk  
The pulse was imperceptible. though it was  
Sufficiently evident in the other Arm, &  
from the Same effect being produced by  
keeping the Arm out of Bed in a cold day  
2. From passions known to be debilitating by  
Experience, as Fear, Grief, despair &c.  
Fever also arise 3. from all Excessive Excre-  
tions from the Blood Vessels, Bowels, or  
Urinary Passages which are Certainly debi-  
litating.

Of Causes of Fever Inducing indirect debility  
1. Heat Excessive in degree from 70 to 80 is at  
first gently Stimulating and produces  
Healthy Excitement, but long continued  
or above 90, It proves from The Excess of



10) Stimulus the cause of Indirect debility  
Especially if Combined with hard Labor  
and Induces Sanguor, hence the Reason  
why fevers are more common in warm  
Climates and in Warm Weather, than in  
Cold. 2. Intemperance in Eating, drinking,  
or Venery, they act by their excess of Sti-  
mulus Overstretching the Vessels and  
thus producing debility, the Plague  
we are Informed proved most Fatal in  
Intemperate and newly married People  
and hence these are most Subject to fever.  
3. Causes Overstretching the Various parts  
of the Body. thus heavy Weights or Ex-  
traneous Bodies Acting Mechanically,  
Some of them Locally, Inducing In-  
direct debility. There are two other fruitful  
Sources of Fever which I have not  
Mentioned Viz. Miasmata, &  
Human Effluvia, They have both been



Regarded as Proximate causes, but as  
are in fact only Remote Causes first  
Inducing debility, and Leaving the  
System Exposed to the Action of Stimuli;  
If Combined with Moisture, their effects  
are more certain. The Smallpox Influe-  
-enza &c are much Influenced by pre-  
-disposing debility. That Scours depend on  
Predisposing debility is farther proved  
by their Attacking in the Night when  
debility is greatest. from the Symptoms  
of scours. Such as Weakness of the limbs Inabi-  
-lity to stand or Walk, a Quick & Weak pulse, Shon-  
-ing of the horns &c. Which are Symptoms of  
Debility - from all the above Causes acting more  
Certainly in Combination thus Cited, Fear & Fear  
or heat, Fatigue & Intemperance, &c. Proper Debility  
is always Accompanied with Increased Excitability  
D. Brown Confined this solely to Direct Debility



Q2) But it certainly occurs in *Indiv.* when suddenly brought on, hence we have cause to divide Debility into Acute and Chronic. 3<sup>rd</sup> Prop. the diminution, or Abstraction of one Stimulus, is followed by an Increased Action of those which Remain, I have frequently seen an Intermittent assume an Inflammatory Type in November. Probably an account of the heat of the stove Room acting on the Previously debilitated System, but to apply those principles - has the Body been debilitated by Cold. the Excitability is thereby Increased and the body more Exposed to the action of the Stimulus of Heat - thus in Spring after a Cold Winter, Pleuritis are frequently, hence the Frequency of Fevers in Persons debilitated by Fatigue from Hunting, or other severe Exercises. During the last war fevers were frequently from eating a hot Supper, or lying on a feather Bed after



The Fatigue Attending a Military Campaign, 13  
Convulsions were also frequent in these Cases, I  
might go farther and say that all here Depends  
on Diminished Excitement, increased Excitability  
& increased action of Stimuli, the above mentioned  
Law of the System has been mentioned by a french  
Author, who styles it *Sarite Vibratile*, or liability  
of the System to be thrown into motion, it is  
not peculiar to animal matter alone some In-  
-animate matter possesses the same property as  
Metals, Whale bone & Air in a State of Calm or  
Debility is disposed to be acted on by Stimuli &  
Produce Excessive Action as we see in Storms  
Which follow a Calm Fever are also most frequent  
in Children they seldom appear in Old Age -  
owing to the Vibratility being diminished -  
The nervous System is agitated by the same  
Laws, hence we awake in a Convulsion owing  
to the Overproportioned Stimulus of Noise from



114 The Shutting of a Window or door, or to a few Drops of water dropping upon the face. We may here with propriety enforce a very important piece of advice Viz. - that we should always proportion Stimulus to the excitability of the System that Overproportioned Stimuli rather Produce Convulsions, or a total Loss of Action as in Apoplexy - A Prop. those Stimuli that are the Exciting Cause of Fevers act Differently from Stimuli in health, where there is no Pro-  
-disposition to Disease. Health consists in a just Proportion between Excitability Excitement & the Force of Stimuli - 5 Prop. the Stimuli Producing Fevers act Primarily on the Arterial System, that the Arteries Possess Irritability is not to be Doubted, the existence of muscular Fibres in them is fully Proved, in a diseased State their Irritability is evident, they terminate in all the External Parts of the Body -



In which I included the lungs and Alimentary 15  
Parts Canal, Boer have discovered the Internal  
Coats of the Arteries in an Ox Which had been driven  
So Violently Quick that they were in a State of  
Inflammation from a Consideration of all the above  
facts I conclude the Proximate Cause of fevers  
to consist in the Arterial System accompanied with  
an Excess, or defect of the moving Powers between  
this Excess and Deficiency of Action in the Arterial  
System in fevers, there is one clear Intermediate  
State composed of both, called Partial Excitement  
by Cullen, and Aethenic Inflammation by Brown,  
but which I have taken the Liberty of Deno-  
minating Typhoid Action, I have called the  
Action of the Arterial System in fevers Irregular,  
to Distinguish it from the Excess or Deficiency  
of Action Which takes place after Violent  
Exercise in the Former and any Debilitating  
Cause in the Latter Case, When the Action is  
Regular, and when felt in the pulse excites



16 A very Different Sensation from the pulse of a Patient in a fever, in short the Irregular Action is nothing but a Convulsion in the External System - That Convulsion Seated in the Muscular Fibres of the Arteries is the Proximate Cause of Fevers affecting the Arterial System primarily, & the whole System secondarily. I infer from the Following Considerations -

1. from fevers being Preceded by debility now we know that debility Always Precedes Convulsions in the nervous System - *Atonia gignat. Spasmas* -
2. by the Sensation produced by the pulsation of the Arteries which Attended with that Jostling which Produces Convulsions.
3. from the Great analogy between a fever in the Arterial System and Convulsions in the Nervous System as Appears from the following Facts, 1. Convulsions in the Nervous System Depend on Previous debility, so do Fevers, 2. Tremors Precede Convulsions in the



Nervous System, and are the first degree 17  
of them, So of Fevers.

3. Coldness of the Extremities is a second  
Symptom of Convulsions in the Nervous  
System, so in Fevers.

4. Convulsions in the Nervous System Occur  
at Regular, and Irregular Periods, so  
do fevers.

5. Convulsions under certain Circumstances  
Impair the Functions of the Brain, so do  
Fevers.

6. Convulsions are more Apt to Occur in  
Persons once Affected with them, so are fevers.

7. Convulsions are attended with Excess of  
Irregular, or defect of Regular Action as  
I Shall Hereafter prove, the former in Hy-  
drophobia and in the first Stage of Tetanus,  
the Latter in Hypochondriasis & Syncope,  
the same Extremes appear in Fevers, in



18) Inflammatory Rheumatism & Pleurisy  
On the one hand, and Typhus Mition on  
the other.

P. There are Intermediate degrees of Action  
in Convulsions of the Nervous System, as  
in Epilepsy Hysteria &c. Analogous to the  
Typhoid Action of Fevers, and Synochus  
of Doctor Cullen.

Q. Certain Convulsions in the Nervous Sys-  
tem are followed by an immobility of the  
Limbs, the same takes place in some fevers.

10. There are Convulsions in the Nervous Sys-  
tem, which do not Effect the Brain, but  
Only the Limbs. as Chorea S<sup>t</sup> Viti, so in  
Certain Fevers.

11. Convulsions in the Nervous System are  
most frequent in Children, so are fevers.

12. Convulsions Sometimes go Off Gradually,  
as Chorea S<sup>t</sup> Viti & Tetanus, so do Fevers.



13. There are Local convulsions, so there are (19)  
Local Fevers, as the Febris Sub. Tormae, -  
Intermittentia of Seneca.

14. Convulsions are Apt to Recur through life  
So are Fevers

15. In certain convulsions the Strength of  
the Muscles is Increased, so in certain fevers.

16. Convulsions of the Nervous System, Sometimes  
go off Suddenly, so do fevers Frequently in one  
Night, by a profuse Sweat.

17. There are Sometimes Convulsions in the  
Nervous System which do not Effect the  
Functions of the Brain, so of some fevers,  
as the Hectic.

18. In Convulsions Intermittent Excitement  
Sometimes occurs in One part, and debility  
in Another, so in Fevers, the Pulse is often  
Sense when the Action of the Heart is weak  
And delirium often occurs from the great



20 Quantity of blood in the Brain, while there is deficiency in other parts.

19. There is Rigidity in certain Nervous affections, as in Cataplexy (Rather I believe Epilepsy, So in some fevers.

20. Debility in one part of the Body, often Occasions Convulsions of the whole, as in Tetanus - so of Fevers - in a word an Idea of Fever may be had, by Imagining it a Chain consisting of four Links

1. Predisposing debility, or weakened Excitement

2. Increased Excitability

3. The Application of Stimulant powers.

4. Irregular Action in the Arteries, and Convulsions in the Nervous System - hence we see a Strong Analogy between them - Nature we find is Simple and Frugal in all her Operations, never making Use of two Instruments to effect what can be done with one. as therefore



The predisposing Causes to all General (28)  
diseases are One (Viz.) debility. So also is  
the proximate cause to Irregular action.  
Neither is this irregular Action or Convul-  
sion the Agent of disorder in the Animal  
body alone - but extends through all  
nature - The Natural - Moral, & political  
Worlds every where Exhibit marks of it.  
Hurricanes - Earthquakes - Deformity - Vice.  
Misery - Tyranny and Slavery are all  
the effects of Irregular Action - they are  
all deviations from that Order which  
was imposed upon the Universe when  
it first came from the hands of a  
divine Creator.

We shall now proceed to Speak of Fever  
Generally 2. of Fever Particularly.  
Irregular Action may be Seen in every  
Action attending fever.  
1. There is more or Less pain in the



22

Joints Head &c. in every Fever

2. Thirst & dry Tongue from an Abstraction of blood from the Tongue. it is cured by Opium and Sleep. which proves it is owing to Attonia.

3. The high Colour and Paleness of the Urine to the excess or deficiency of Action in the Vessels of the Kidneys.

4. Dry Skin to the Irregular determination of the Blood.

5. The chilly Fit - it is an Accidental Concomitant of Fever, and is its first Symptom - Lind says there is no Chilly fit when death takes place in the commencement of a Paroxysm.

6. Spasm is owing to a Rupture of blood from the capillary Arteries perfectly Mechanically. They only contract like every other Vessel from want of Fluid



which is a common Law of Nature. (23)

7. Vomiting and dysarrhea from too great a determination of blood to the Stomach and bowels. hence they are so frequently Cured by Exciting the Action of the vessels of the Skin externally, and by bloodletting

8. Costiveness and Scarcity of Urine, to the Blood being sent in too Small quantities to the Kidneys &c.

9. Weak Pulse. Flushing of the Face &c from Irregular determination.

10. delirium from Irregular Excitement in the Vessels of the Brain. too much - or too Little - when Death Occurs in the hot Fit, it is Owing to Excessive action The Increased heat depends on the Cause of Animal heat, whatever that may be, we will now Consider the Various Symptoms of Particular Species as States



24 Of Fever, for I consider them Only to  
be different States of the Same disease.  
Examples are not wanting of all those  
States Occurring in the progress of One  
disorder. these States are the Inflammatory  
Bilious. Putrid. Typhoid and Typhus  
in the former of which there is excess.  
And in the latter deficiency of action.  
let me here advise You never to pre-  
scribe for the name of a Disorder, but  
always Regard the Present State of  
the System - make it shew its face.  
or the State of part of the System in  
which the disease is Seated. the Infla-  
matory State Occurs most frequently  
here, where the Body is debilitated  
and frequently Stimulated alternately  
by the Action of Cold and Heat -  
The Remote Causes of this Inflama-  
tory



25  
tory State of Fever are, Plentiful and  
nourishing diet, Violent Exercise, Labour  
&c. Cold air constitutes much, it seems  
to Render the Texture of the Bloodvessels  
more compact. This state of Fever often  
occurs in consumptive People, who have  
been much debilitated by Bloodletting  
and therefore more liable to be acted  
Upon by the different Stimuli. Their  
Inflammatory action is Obstinate, tho' less  
acute, and hence they bear less copious  
bleeding, than Robust People, but Re-  
quire it more frequently. The Stimulus  
of Heat is necessary to act Upon the  
Increased Excitability Occasioned by  
cold, hence in Russia, Canada &c.  
Inflammatory Fever Seldom occurs, or  
only in the Spring, owing to the con-  
stant



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Stant cold. Inflammatory Fever is brought on by certain contagions acting upon the Arterial System, here a debilitated Habit often proves a Preventative to the disease, differing in this Respect from cold. why excess of Action should follow debility, or force in the Arterial System in a Moderate degree. remains to be Explained.



# Lecture 2.

27

To Explain the Nature of this Supernatural Excitement, will be Necessary to Recur to the Operations of Nature in other parts of her work.

1. A calm, or an Extremely moderate Breeze at Sea, may be considered as debility of the Atmosphere and predisposes to a current of air. but is this current proportioned to the cause producing it by no means. the Storms which succeed. Show themselves excessive in degree by the desolation of the works of Nature and Art.

2. Drought is debility in the productions of the Earth, and Predisposes to Rain, but are the descending Showers proportioned



28

tioned to the cause, by no means - as is proved by the deluge they Occasion.

3. The Passions given unto Man to aid the Slow and feeble Operations of Reason yet by being frequently prevented, they frequently become the cause Misery Unproportioned to the Exciting cause.

4. The Same excess of action appears in Publick bodies, for a word Spoken with no evil intention has been the Cause of Revolutions in States. but to Return to the Human Body.

5. Our Castor Oil not taken into the Stomach, and Rejected immediately has Occasioned a vomiting which lasted near 24. Hours, and an injury done to the Stomach by a Subject, has been Remembered by it Twenty Years, -



here is action and duration out of (29)  
all Proportion to the Offending cause.

C. A Grain of Sand in the Eye has  
Occasioned such Violent Symptoms as  
to Require Repeated bleedings & purging  
to cure it, here we see no proportion exists  
through all Nature between causes &  
effects and from all the above menti-  
oned facts and Observations, I assume  
that Excessive and Irregular Action  
following debility when Acute, is as  
much a Law of Nature, as Ice from  
an Abstraction of Heat, or Inflama-  
tion, or pain from a Broken Leg, evil  
exists in the World, we see it, we follow  
it, The Operations of Nature were for-  
merly Ministers to good, Pleasure, and  
Happiness. but are now the vehicles to



30 Misny. In Religion when we Worship  
a monkey, a Crocodile, or the Devil, we  
follow nature. In morals, when we  
commit Theft, Murder, Fornication  
we follow nature.

In Medicine, when we prefer Hemorrhagies  
&c. Like Hypocrites to the gentle and  
Effiaacious modes of Venesection, purging  
&c we follow Nature. She is not to  
be allowed to have her own way, we  
must Correct her Irregularities by  
Powerfull Remedies, when Necessary  
for the Idea of a Physician being  
the Servant of Nature, with the Theory  
and Practice being founded on the  
Idea. I here publicly reject as the pa-  
-ganism of Medicine, her Operations  
being sometimes Serviceable, should  
no more Prevent the use of Proper medi-  
cines.



cines, than a Lucid interval of madness 31  
Should Prevent a Mans Estate from  
being Sequestered for the Use of his  
Family, Order will then be Restored  
both in Action and Principle, disjointed  
Nature will be Reduced, and the world  
Enjoy Peace and Health.

2. - Convulsions in the Arterial System  
connected with Partial debility is not  
a deviation from the General Laws of  
Nature. it is the whole Excitement  
Concentrated as it were in the Arterial  
System, whilst the other Systems are  
much debilitated, hence we see the  
Greatest debility in proportion as the  
Excitement is Absorbed in the Arterial  
System - Persons who are Unable  
to sit up, or perform any Motions.



32 In an Inflammatory Fever, have  
their Pulse full Thara and tense  
and grow Stronger by Venesection  
and other Evacu<sup>ations</sup>. I have however  
except Fever which Induces delirium  
for in this case the Nervous System  
is brought into Action

3 The Cure then of Fever consists in  
Restoring the Equalibrium of Exci<sup>t</sup>  
ment and Excitability, and in this  
Manner it is that Emetics act in  
Preventing the Paroxysm of an  
Intermittent, or other Fever, I have  
frequently known the force of the  
Heart Increased by bleeding, taking  
off the Stimulus producing indirect  
Debility.

4. Brown has Absurdly asserted that



Excitement is the same in every part of (33)  
the System in disease. I maintain that  
disease consists in divided Excitement,  
And that equal Excitement is Health  
Dr Lewis describes a Pulse Occuring  
in the Pleurisy, in that country —  
Jamaica, which Rose by bleeding I  
have seen it Frequently in <sup>these</sup> Cases I ima-  
gine the Excessive pain Acts as a Stimulus  
And the Rising of the pulse is owing  
to the Abstraction of the Stimulus  
Inducing Indirect debility.

5. The Stimulus in Bilious Fevers acts  
differently, here Marsh miasmata or  
Contagion Acts Specifically on the Liver,  
Sometimes the Stimulus is so powerfull  
as to produce Instant death — inducing  
Indirect debility and by its Violent  
Action destroying the Excitability, in  
the Synochus of Dr Cullen, there is



34.) Excess of Irregular action, in the beginning, and deficiency of action at the close. The Reduction of this excess of action may be effected by Medicine, or the excitement permitted to wear itself down. In the Typhus Mitior there is Generally deficiency of action - This is Sometimes an Original Fever - but more Generally Succeds a Bilious Fever.

b. In the Typhus Gravior there is no Putrefaction in the Living State. all its Symptoms are only effects of a Violent sudden action, Producing Hemorrhage or Ruptures of the Bloodvessels, this was Noticed by Sydenham - it is only the Highest possible Grade of Inflammatory Fever Caused by Indirect debility, being Violent and Rapid in its Termination as in the Petechial fever and Smallpox, the Slow pulse being



Sometimes 40 or 50 (in a minute) (35)  
in this Fever, is by some improperly con-  
sidered as an Evidence of the absence  
of Fever. I think very differently - that  
it is the effect of the Highest degree of  
Stimulus, producing as I have called  
it, a Catalepsy of the Arterial System,  
to what is the Slow pulse owing - is it  
to the Torpor of the Vessels Occasioned  
by Contagion, or to the Equilibrium  
of the convulsion.

7. The Typhoid State of fever is formed  
of the Inflammatory and Typhus - in this  
There is divided Excitement - excess in one  
part of the <sup>muscles</sup> Fibres of the Arterial System  
and defect in the Rest - it is the nervous  
fever of Huxham, and changes about  
the 4th to a Typhus - Doctor Butler  
calls it the Slow fever. it is the most  
difficult to Treat of all Fevers. and



Q. Great caution is Necessary in Bloodletting. Suppose the pulse to Consist of 80 Cords it will tend more or Less to the Synocha or Typhus, according as a less or Greater number of these Cords are Relaxed. this pulse prevails in the Puerperal and Hectic Fevers.

P. The Intermittent State of Fever differs from all others, by being of so short duration. The Remote and Predisposing Causes evidently shew it to be preceded by debility, The Recurrence of Paroxysms is not occasioned by the Recurrence of debility, but by Associations, which are of two kinds. of Ideas. and of Motions. the Recurrence of Paroxysms depends upon the Latter.

Q. Some of these above Mentioned fevers tho' commencing in Typhus, Typhoid. or Intermittent, frequently change their



Type and action, to the inflammatory (39)  
Stage by the addition of some new  
Stimulus, as Heat, heating drinks. im-  
proper Exercise - Internal congestion,  
or diet added to the System.

10, Febricula, or Hectic fever, in these I  
Suppose the Arterial System to be  
alone affected, without bringing the  
Others into Sympathy, for we see the pa-  
tients frequently walk about. we find  
Fevers Sometimes Combined with Chro-  
nic Nervous diseases, as Gout, Hyste-  
ria, Hypochondriasis &c. Fevers of all  
kinds produce death in one of the following  
ways. 1. By destroying some of the Viscera  
whose Functions are Necessary to Life,  
by Effusion, distention, or Laceration  
of their Vessels.

2. By an Alteration in the Quality of  
Some of the Fluids, thereby Rendering



30) Them unfit for the Purposes of Animal Life. 3. By mere debility, two of these are Sometimes combined - particularly the two first, and we often see people in the Convalescent State die in the Night, from the Great debility in the System - joined by that induced by the Abstraction of all the Stimuli which acted upon the Body during the Day.

## Of the Remote causes of Fever.

We shall only Enumerate them here, Vir. Cold and Heat Alternating. Intemperance of all kinds. Fatigue - Marsh. miasmata. Human Contagion or Effluvia. Fear. Grief. Specific contagion as Smallpox. Measles &c. and Certain Stimuli acting upon the in-  
tinal



Internal and External Surface of the 39  
Body. Of The Inflammatory State this  
includes Pneumonia which is a primary  
disease. Inflammatory Angina. Infla-  
matory Catarrh. Inflammatory Bilious  
Fever and Hepatitis. Gastritis &c. which  
are Local. I am now convinced. tho'  
I once doubted it, that there is a pure  
Inflammatory Fever, without any local  
affection. The marks and Symptoms  
of an Inflammatory are 1. The Remote  
and Predisposing causes. particularly  
Heat and cold. The Season of the Year,  
The prevailing Epidemic, certain con-  
tagions. as of Smallpox &c.  
2. The Symptoms as Topical pain in the  
Side, Breast, or Shoulder, and particularly  
from Absence of Vomiting in this, and  
its presence in other fevers and Colic  
-ness. 3. The Age and Constitution, the



40 Young and Athletic being more Subject to inflammatory Complaints than others. 4. From previous habits of the patient with Respect to diseases, as whether in the Habit of Inflammatory diseases. a Man in Jersey lately died in his 84 Year, and the 34 Fit of the Pleurisy, and I attended a Man in this City, in his 28. Fit.

5. From the Country and Residence of the Patient. an American in London will bear four times as much blood taken from him as an Englishman. This fact is Usefull to Southern practitioners. Doctor Hill says a person carries with him a Predisposition to The diseases of his own Country.

Apthas and Swelled Legs follow the diseases of the Inhabitants of Jamaica even when they Change their Climate



We are therefore creatures of climate (41)  
as well as of Habit. Transporting them  
with us into all Countries.

6. From the long continuance of warm  
Weather.

7. From the hardness, fullness, and  
firing of the Pulse - Various States  
of the pulse Indicate inflammatory  
Fever. according to Dr. Lewis. it may  
be full, hard, and Low.

Before proceeding to the cure of Fevers, I  
shall propose two very important questions

1. Are there any marks of the approach  
of an Inflammatory fever.

2. are there any means of Preventing its  
Attack - There are both - to predict the  
approach, and thereby prevent disease  
Should be the Study of a Physician.  
There are few Natural evils that have



42) Not their Harbingers, there are few diseases that have not their Precursors. Thus Frightfull dreams precede Hydrocephalus, also enlarged Pupil. full Pulse. disturbed rest. Epilepsy, a burning of the Palms of the Hands often Occurs three Months before the attack of the cough which takes place in consumption - a Slightness of the Head and false Vision, are frequently precursors to the Piles.

A Pain and coldness of the Back often Precedes Haemorrhagia Uterina.

The precursors of inflammatory fever are, Costiveness, dullness of the Various Faculties a preternatural or defective Appetite - Sense of Weariness of the Limbs. a Sleepiness, or Absence of it, disturbed Rest &c. in proportion



To the number and degree of which, we (43)  
may be enabled to foretell the duration  
and violence of a Fever.

These Symptoms being Noticed, we come  
now to the Prevention of the disease,  
This is Obtained.

1. By Rest, which is the Remedy for  
Indirect debility.

2. Fasting, especially from Nourish  
ing diet and Gross.

3. By the use of direct Stimuli; as  
heat and Cordial drinks and Pedi-  
culium, these are Very Usefull, in the  
forming State, proportioned to the Exci-  
tability of the System, but are impro-  
per after the convulsion ~~has taken~~ in  
the Arterial System has completely  
taken place.

4. A moderate dose of Laudanum to  
Remove debility; a dutch Physician



44 Cured his Patients of an approaching Inflammatory Fever by means of a Salt Herring. This acted in the same manner as Laudanum.

Remedies are Natural and artificial, The former are the powers of nature in curing diseases so much Celebrated by the followers of Hippocrates; Tho' when left to herself, she either does no good, or frequently does harm. even destroying Life. by the Excessive action in fevers.

Her actions being from mere Physical Necessity. I therefore deny their efficacy altogether - The artificial Remedies are taken from the Materia Medica: we now come to the Cure of inflammatory Fevers.

This is wholly Artificial. the indications are to Remove or Lessen morbid Excitement and Excitability of the Arteries



System, this is done by Remedies acting <sup>45</sup>  
directly, or Indirectly upon the Arterial  
System. Those acting directly are Blood  
letting and Cold-air.

1. Of Bloodletting - The effects are im-  
mediately on the Arterial System -  
Bloodletting acts on the Arterial System  
by its impetus and Quantity. P. Venues  
taken away, are more Serviceable, and  
Immediately Efficacious than a large  
Evacuation from any other part. But  
There are many prejudices against this  
Valuable Remedy. In the Cure the  
Bite is as much the duty of a Physician  
as the Pute and Jecunde - and it is  
Remarkable that in every Theory it  
has been more or less employed - even  
in Browns. Blood should be drawn  
from a large Orifice - for by the sudden  
Evacuation from the Arterial System



(46) The effects of it are more sensibly felt - The following Circumstances deserve Attention in Venesection.

The arm on the Side affected is to be Preferred - it has the Authority of Sydenham, who takes Notice that it is more Efficacious if it bursts out in a Horizontal Stream; than when it Trickles down the Arm - Bleeding in the Foot by way of Revulsion is very Absurd. For we cannot tell how much Blood is let, This and other Reasons have caused it to be deservedly laid aside. The Relief from pain, and the Appearance of the Blood, Should determine the Quantity to be drawn a Concave Coagulable Sympth Floating in a yellow Serum, is a sure Sign of Inflammation. from 10 to 12 Venues may be taken every Other day with



Intermediate Purges and this is (17)  
better drawing large quantities more  
Seldom. For if a small Quantity  
be improperly drawn we can still  
Support the System, which we  
Should be Unable to do if the quan-  
tity drawn were great. The human  
Body is said to contain from 25  
to 50 pounds of Blood. of 25 nearly  
two thirds are said to be Red Glo-  
bules. from 20 to 40 ounces may  
be drawn in an Inflammation in  
the Breast. as I did in the Space  
of five days from a young Officer  
Shot thro' the Lungs. During which  
time he lived on Water only in which  
Bread was Boiled. So great and  
Morbid was the Excitability of the  
System. he Recovered, ~~so fast and~~



40 Bleeding is proper in all ages, in  
Children the Excess of Irregular action  
is Sometimes very Obstinate, I bled  
a Child of 3 Months Old. Three  
times in a Pleurisy, and with suc-  
cess. In and at all Periods of  
Pregnancy. Bleeding is safe. the  
stimulus of the full Uterus requires  
it. and even in the Puerperal fever,  
if it arises ~~before~~ the Typhoid.  
I bled a Woman in her fifth Month  
Eleven times. and another fourteen  
times Successfully. if we are called  
to a Patient in the Country. whose  
pain is not Great. <sup>at</sup> we may the bleeding  
till Morning. this delay is on account  
of the stimuli which have acted on  
the System being Withdrawn. and  
Therefore Lessening the Excitement so  
that probably a purge will answer



# Lecture 3.



The Second Remedy acting directly on  
The Arterial System is cold. The Body is  
Comfortable in Youth at About 62 of Fa-  
renheits Thermometer. in Fevers the Heat  
is 120 in Health 96. The difference is 24  
The temperature of the Patients Room  
ought Therefore to be 24 below 62 or 38  
Raising or Lowering According to the  
State of Inflammatory Action. to obtain  
its debilitating. the Temperature of the  
Room should be below the Ratio.  
It is a debilitating Remedy Lessening exite-  
ment. no General Rule can be given for  
its Application. much harm has been  
done by Fixing a Peculiar Standard



(50) The cool Regimen in the Smallpox has been attended with fatal Consequences by the excess to which it has been carried and by not attending to the above mentioned Regulations, it must not be Used Indiscriminately. when the Scurge are much affected as in Pneumonia, Measles &c. by a diminished Action. tho. the Inflammatory Action Exists in the Arterial System. Cold is improper when there is too little Action, pure, but not Cold Air is proper, its Effects are most Certain when Combined with exercise, as in Sitting &c. as this takes down the Excitement and dissipates the Excitability of the System. Cold Water, this is applied in two ways, 1. by Ablution, 2. by dashing it on the body. The former acts as a



Sedative, and is alone to be used in (51)  
Inflammatory fevers. by Applying it to  
the face, Head, bathing the feet &c. the  
latter Method of Applying it acts as a  
Stimulant.

Chillings Sometimes attends inflammatory  
Fever in which case both are improper.

The Remedies acting Indirectly are.  
Purges. In Great Indirect debility  
when Venesection is of doubtful propriety.  
Purges the System feels Small Eva-  
cuations in Proportion to the debility,  
They are Usefull 1. In Lessening infla-  
matory Action. 2. by Removing the  
Internal direct Stimulus of the Fever  
Particularly, when combined with mor-  
bid Bile. 3. By allowing an agree-  
able free Action, by taking off Pressure



(52) From the descending Aorta, and  
Therby bringing the blood from the head  
they should be of the most Lenient Kind  
as Salts. Cream of tartar, but a few  
Grains of Aloes or Calomel would be  
an usefull addition. In Inflammatory  
Fevers, one or two Stools a day are  
usefull and Necessary - if attended with  
Bilious Congestions, more are Necessary.  
Glysters is too much Neglected in Inflama-  
tory Fevers. They are preferable to purges  
as they Excite Less inflammation. in dy-  
senteries, and inflammatory Bilious fevers  
Glysters of Cold Water are very Service-  
able and perhaps more so, if Acbe  
joined with them, and dissolved.  
2. Sitting up daily in a Chair  
two or three Hours, or longer is



of the utmost consequence in de (53)  
priving the body of the Stimulus of its  
heat, Accumulated under the Bed  
Clothes, by Exposing the Body to the air;  
by the Motion of the Muscles it assists  
in debilitating the body and takes  
down the Excitement. Is the burden  
of Sydenham. Patients should sit  
directly before the fire, to prevent the  
two great action of the Air upon them  
which would be the case, if they sit  
close to the Wall where the Current of  
Air Passes along in a strong draft  
to the Chimney.

3 Occasioning Nausea and Vomiting  
by which equal Excitement is produced  
or promoted, The System is debilitated.  
The Extremities of the Capillaries are



54) Relaxed and a determination to  
the Surface takes place. Tartar. Emetic  
is much Superior to all other prepa-  
rations of Antimony, One Sixth of  
a Grain of the first Strength, com-  
bined with 10 gr<sup>s</sup> of Nitri Equals  
Dr. James famous poor Powder. The  
Antimonial Wine is also usefull, the  
Seneca Snake-Root in decoction is  
also usefull ʒii of it to 16ss of Boiling  
Water, and a Table Spoonfull taken  
every two Hours. All Stimulant  
Powers, as Company, Thinking, &c. talk-  
ative Nurses should be kept from  
the Patient, Light and Sound should  
be Abstracted, so Morbid is the Exci-  
tability and they should be applied gra-  
dually to the System.



The Application of Stimuli in Indi (55)  
and debility should be as gradual as the  
Addition of Stimuli in direct debility.

4. The diet should be Gruel, Sago, Panada,  
Sapioea, Meat-broths Fruits &c. in pretty  
large quantities, and not very Picky, all  
Animal food must be avoided.

5. Drinks should be diluting, and should  
be made Pleasant, but not Stimulating  
to Induce the Patient to drink largely  
Perhaps they act by correcting acrimony  
weak Small-Beer and Jellies dissolved,  
Herb Teas &c. Proton advises, cold &  
Cullen warm drinks, they should be  
Tepid as there is great Atony in the  
Stomach and Skin, which is known  
by the want of Appetite, Costiveness  
and dry Skin, while excessive action



56) Prevails in the Arterial System, known  
by the pulse, and Pain in the Head &c  
There is an Example of divided Excite-  
ment, In all affections of the Lungs  
Cold drinks are Improper, or at least  
doubtful, in the Inflammation of the  
Stomach and Bowels, they alone are  
Proper, but we must begin with small  
quantities.

c. Sudorifics are Improper except those  
which act as Stimulants only on the  
Stomach and Alimentary Canals  
Partial Sweats harm, They show highly  
Excited Capillaries, Sweating often  
follows an Evacuation by Stool, or  
Bleeding, Blisters are only useful  
at the Close of Inflammatory Fevers



or when there is great mixture of Irregular <sup>57</sup>  
Action, and topical determination and  
Inflammation, They are very Injurious when  
the System begins to React, the Pediluvium  
and warm bath are very improper, when  
there is Excess of Irregular action, D. Willis  
attempts to Shew the Necessity of Slavery  
in hot Climates, and in very Cold, as the  
Inhabitants Require the aid of the whip to  
put them into Action, Opium is improper  
when there is Excess of Irregular action,  
when Mercury is proper, It Acts in two  
ways, first as a General Evacuant, opening  
the Venous Communicatories on the Alimen-  
tary Canal, Second as a defusable Sti-  
mulus Acting on the whole System,  
with the first Intention it is proper  
and is then given in pretty large doses  
with the latter Intention it is given in



(58) Small, but long continued doses, but is here improper, can any of the passions of the mind be properly and safely employed yes, if properly managed this I judge from two facts, the first is a case of a Mrs Smith who had an Inflammatory fever while Pregnant, for which she was bled by Doctor Shippen her fear at this Operation was such as to produce Abortion two Weeks after. The Second is, that the Influenza and Inflammatory Fever, have both been cured by fear. many disorders are known to be cured by the fear of Bleeding. Cannot the inflammatory action or Convulsion of the Arterial System be taken down immediately by any Remedies either Animal or Vegetable without the use of the debilitating ones proposed. I think it possible.



The Indians. I am informed cure a (59)  
Pleurisy, by hanging by the arm of the  
Affected side, which takes down morbid  
Excitement, and dissipates Excitability  
at the same time.

Captain Cook informing me he was cured of  
an Inflammatory ~~Fever~~ Rheumatism  
in 24 hours by the Inhabitants of One  
of the Friendly Isles by Tradition. I think  
the time will come when the Present mode  
of cure will be looked on in the same  
light in which we view the coasting  
Voyages of the Ancients, compared with  
the Facility which Voyages are now  
made with the aid of the Chart and  
Compass. Possibly Cold Water by in-  
fusion, may be found such a Re-  
medy. We come now to consider  
those States of Fever, in which although



60 There is too much action, it does not  
Amount to Inflammatory Action viz.  
Bilious Yellow Fever, Bilious Remit-  
tent, Typhus Remittent, and the Plague.  
all of which Generally come on with too  
much Violence— The plague Sometimes  
Produces delirium Seren, these differ  
from Inflammatory Fever, being Brought  
on from different Causes, Marsh and  
Human Effluvia, these are known by  
the Season and Climate— The Yellow  
Fever and Plague are Peculiar to the  
West India's and Turkey— for their hi-  
stories I Refer to practical Writers—  
July and August are Terminated by  
wet and cold Weather— thus diseases may  
be Generated in middle Latitudes—  
Perhaps many of those diseases handed  
down to us— Plagues may have been



Only malignant *Scorbutus* Generated in *Os*  
those very Countries. For proofs are Generally  
wanting of their Importation - and their  
present Less frequent Occurrence may be  
Ascribed to the change of diet & man-  
ners of the Inhabitants

## Bilious Fever

For the History see my Essays 1780. its  
more Immediate Symptoms are a chilly  
fit. great Headache, Eyes suffused with  
blood and *ficus delirium*, nausea and  
Vomiting, Sometimes Diarrhoea, full  
Quick and Sometimes bounding Pulse,  
moist, but black colored Tongue. Bile  
of Preternatural Acrimony, & Excessive  
in Quantity, Excoriating the Rectum and



62. Fauces in purging and Vomiting, the Colour of the tongue with Nausea and Vomiting are the most Characteristic Symptoms - The precursors are a Slight Headache, nausea, and a little taste in the Mouth, particularly in the morning, defect of Appetite, & Occasional Sickness, The preventative is a Dose or Surge, by which the disease is Strangled in its Birth, The Sedulivium or half a Pint of Wine, however has been known to produce Death, owing to the Stimulus being overproportioned to the Excitability of the System, and Producing thereby those Effusions and Conjections which I have mentioned as one of the ways in which Fever Terminates in death.



# The Cure

63

The Bilious Remittent Yellow Fever  
ought to be Strangled in its birth Dr.  
Mitchel often prevented the attack  
of the Yellow Fever in Virginia in 1741  
by taking away  $\frac{1}{2}$  lb of blood Dr. St. George  
a French W. India Practitioner always  
bled the Recruits at their first Landing  
So here I have prevented it by Venesection  
Gentle Purges and Temperate diet, which  
lessened the Excitability of the System  
to the Effects of Contagion, the first  
Remedy for Excess of Action is blood-  
letting in a moderate degree about  $\frac{1}{2}$  lb  
to moderate Convulsions, and Prevent  
Congestions. The Blood has Sometimes  
a Sory appearance, or Piliile—



64) Bleeding is more Necessary if the  
disease is complicated with Pleurisy  
or Hepatitis, it is Strongly Recommended  
by Fluxum, who says, yea, I would  
bleed with the above Symptoms, were  
I Sure they would be followed by a  
Septilential fever. Mosely also Recom-  
mends it, the disease Appears with  
different degrees of Violence in different  
years, few Epidemics Require the same  
Treatment in two different years. see  
Sydenham. it is Seldom Necessary to  
Bleed in the Bilious Fever, unless late  
in the Autumn, Dysentery in like  
manner may be prevented by a Purg  
M<sup>r</sup> Finley prevented it in a Company  
under his Command, by making them  
drink Salt-water, while other companies  
were loosing many who did not take



This Excellent Remedy Preventative &  
It seems to act by taking away the  
Tomes, Dr. Hines says the Malaria  
may be prevented, or much lessened  
by Pruning, I doubt not but the Plague  
itself might be Effectually Strangled  
in this way, at the beginning.

Vomits are Peculiarly usefull, by  
Removing the Redundance of Bile  
Vitiated in the Stomach, by abstracting  
Convulsions from the Arterial System.  
by Removing the Indirect debility &  
Prostration of Strength which the  
Stimulus of Bile has created. the  
King of Prussia has Observed that a  
Malignant Fever raged in his Army  
and that 97 out of 100 were cured  
by Antimonial Emetics, these are



66) Particularly Indicated and  
useful. when Bleeding is not proper.  
Sometimes a Nausea and Vomiting  
here Emetics are not Proper, here Blisters  
are proper and if the former Should fail  
Blisters are very proper Applied to the  
Wrists and Anles.

Purgatives are Safe, Lenient ones Should  
be prefer'd as Glubers Salts. Soda-  
Phosphorata and Castor. Oil to be  
Repeated every day or two, to prevent  
the Accumulation of the Bile. when  
the Tongue is moist, they are always  
Safe — Balfour Recommends Calomel  
in Large doses in what he calls, Be-  
lious Internal Putrid Remitting  
Fever. Purgings seems to be in this  
Fever, what Bleeding is in Inflama



tory Fever, with a dry Tongue & a  
Evacuations are generally improper, small  
Doses of Tartar Emetic as a Purgative  
are usefull - Glysters should not be  
depended on solely, as they only Evacu-  
ate the Lower Belly. In Bilious  
Remitting Fevers, Calomel is used  
Successfully by Doctor Clark Especially  
if Hepatitis is Superinduced or Worms  
Suspended, it Evacuates most Powerfully  
I have Occasionally used it in my  
Practice for many years, Cool but  
not Cold Air is proper, Hospitals of East-  
:ern Nations are Tents placed in the  
Open Air - Ripe Fruits and cool drinks  
Acidulated are usefull and always  
proper, under the above Limitations.  
The Cold Bath is used with advantage  
at Breslaw, it should be Employed



60 for a Length of time, to obtain the Sedative effects, the Indians and Africans diminished the Excessive action in the Small-Pox by plunging into Cold Water, and Mr. Bruce mentions a place where the Fever is cured by deluging the Patient in Bed both Externally and Internally; during the Plague in London a man was cured of that disease by Swimming across the Thames in a delirium, here the Morbid Excitement was taken down, and the Morbid Excitability at the Same time dissipated, by Removing Stimuli of every kind, particularly of Contagion, by Immediately Removing the matters Evacuated, Change of Linen, Change of Air, and keeping the Hands and face



Clean, Purifying the air, 1. by opening <sup>(by)</sup> the Windows 2. By means of Fires, these are Highly Recommended by Lind even in Summer. 3. By twigs of Leaves & Flowers which absorb the Mephitic Air, Such as Willows &c.

4. By Sprinkling and burning Vinegar

5. By creating Muriatic Acid Gas by Pouring Vitriolic Acid on Common Salt. Removing the Various Furniture &c which is known to Imbibe Contagion Particularly wood - The Hospitals at the Yellow Spring Retained the Contagion of Typhus for five months - the contagion of the Plague has been Retained three Years - white Washed walls do not Retain Infection, and are therefore the most Proper in Hospitals. Doctor Beardsley Cured several Patients of dysentery, as



70 Soon as he drew the Bed into the middle of the Room, which was suggested to him by a Black Servant asking the Reason, why all died who were near the wall. This should be the Position of the Bed, when the Walls are not Whitewashed - Curtains ought to be forbid, more Especially if they have figures on them, as they affect the Imagination Strongly in in delirium.

Paper does not communicate the Infection, Opium is improper till after Bloodletting Vomitting, Purging &c have taken down the Excitement, and then it is to be Regulated by the Pulse, 10 drops of Sassafras are often sufficient. - Blisters are very Improper owing to Morbification induced by them according to Simgle and Heuxome. I have twice seen death from the Copious



discharge of a blister, Some Symptoms. (75)  
however, of this Fever Require bleeding  
as mixed Action, or when the Pulse flags  
when the disease comes on with Symptoms  
of Coma and Apoplexy and other Symptoms  
of Indirect debility, when Bleeding and  
Purging are improper, Blisters are frequently  
a Stimulus Superior to the Contagion.

In Obstinate vomiting, I have seen the best  
Effects from them applied to the Thighs, Wrists,  
and Ancles, Doctor Sinec Places the time  
for Applying the Blisters on the 3 & 5  
day Generally they are too Stimulating if  
Applied before this time, and if afterwards  
they Produce death by the Great debility from  
their copious discharge, or their stimulus  
is too weak to aid as Mentioned above, some  
few Remarks are proper Respecting blisters



72 1. Let them not lie on longer than till they are drawn.

2. Muslin or Camphor have failed in Preventing a Stranguary, Opium and Demulcent drinks are more Suce.

3. Dress with Cerate and not with cabbage leaves as they have a Putrid tendency and an Offensive Smell, or with a Bread and milk Poultice.

4. do not cut the Cuticle. 5 After the Blisters a dose of Opium may be given according to the State of Action, in topical Affections blisters seems to act as Evacuants, in this Fever, as gentle Stimuli they induce Sleep if the System is below the Sleeping point, which is a good Sign. Sudorifics are Seldom necessary in an Irritable State of the Stomach.



however, Camarnilo Tea may be given 73.  
to determine to the Skin. Bark is to be given  
after due Evacuations - in its Administration  
Observe 1. To give it on the first intermission  
which is known by moist Skin, and  
Freedom from Headache - it is Sometimes  
dangerous with dry Skin, and full pulse.  
2. Begin with it in Infusion in doubtful  
full Cases, as the Stomach otherwise Rejects  
it. In this manner we proportion Stimuli  
to Excitability, as Sometimes weak bitter  
is more proper, as Willow Bark.  
3. Laudanum is Rejected. Doctor Hunter  
in his diseases of the West-Indies, mentions  
a Symptomatic Tetanus. I have seen  
one case - Blisters determined to the skin  
and often cure diarrhea, and dysentery.  
This disease differs from the Nervous fever  
1. In originating from Marsh Effluvia



(74) 2. In having Remissions. 3 it takes place frequently in Autumn. 4. It is not Contagious. 5. It has two States of Action 6. The Stomach and Bowels are affected with Bile, whence the Typhoid or Slow nervous Fever Originates from Human Effluvia has no Remissions. Occurs at all Seasons is Contagious, and the Stomach not affected with Bile, it has one State of Action, and there is little Tendency to Sweat in the Jail Fever, while it is profuse in the former they Require different Remedies. In this Fever all the Remedies above Mentioned are proper, with the Addition of Bark, first in Infusion, then in Powder, then combined with Laudanum, which prevents the Purging, in each of which we must be Guided by the State of the System. Glysters are Usefull, as Bark  $\frac{1}{2}$  ss Water  $\frac{1}{2}$  ss



Soudanum drops 30 or 40 as is also the 75  
following Bark mixture, take powdered bark  
 $\frac{zj}{2}$  to  $\frac{zss}{2}$ , mint water  $\frac{zj}{2}$ . Laud. Gutts 30 Water  $\frac{zj}{2}$   
a Table Spoonfull to be taken every hour while  
The fever is off.

Opium has been given to the amount of 5 gr<sup>s</sup>  
a day by Bayour. Those States of fever in  
which there is a mixed action in the System  
come now to be considered - I shall call it  
Typhoid. it has not been sufficiently attended  
to. it is the Slow Nervous fever of Fluxom.  
and the Jail and Hospital Fevers of Quethors  
In the first Stage, in most Cases there is  
Neither Inflammatory, nor Putrid. Yet Some  
times it Requires Bleeding, this I once  
did three times, Sometimes Stimulants  
are proper, from this different mode of  
Treatment, Writers have been in an Error  
and differed much Respecting it the Puerperal



76 Fever of all Authors, is a true Typhoid in  
9 Cases out of 10. I have seen the Scarlatina  
Anginosa, take on this Type, or form, hence  
the great diversity of Opinions among Au-  
thors Respecting its treatment.

It Frequently Succeds Inflammatory and  
Bilious Fevers, with both of which it has  
been confounded. It is often an Original  
Fever, This fever comes on with no Chills,  
or very feeble ones, dry Skin and Headache  
it Turns into the Low Nervous fever continu-  
ing 20, 30, or 40 days, it is now less com-  
mon than formerly, this is the most  
difficult to Cure of all the States of  
Fever, in its birth it may be checked  
by an Emetic. I always dread to be called  
to a Case of it, it differs from the Bilious  
~~from the Bilious Fever~~, The Remedies are  
1. Bleeding, this when fullness and tension  
in the Pulse Predominates is Advantageous



In a moderate degree, the Cullen Repro (77)  
bates it in all Fevers from contagion, our  
Climate justifies it. Secondly, Vomits,  
these are Safer, and Wonderfully Efficacious  
in Untying the Typhoid Knot in the  
Arterial System. They are also Particu-  
larly Usefull in the Rectic Fever, and hence  
their use in this Stage of Phthisis Pul-  
monalis, which is a Typhoid Fever, and in  
the Scarlatina Doctor Dulcit Recommends  
them in the Puerperal Fever, which is a  
Species or Modification of the Typhoid, they  
Should be Repeated every two or three days,  
or even two or three times a day, Nauseating  
Medicines are proper; when a Pukes  
Improper, Nitric is usefull in some cases  
to take down the Action. 3. Purgas are  
Usefull. 4. Blisters if there be any Lo-  
cal affection. Of Spasmodica, I have  
little Experience, when a moderate Stimulus



78 To Nuxsary, it acts chiefly on the Nervous System, and but feebly on the Arterial System, these Remedies are to be continued untill the Typhoid Action is nearly, or wholly Reduced by the Action of Stimuli; where the following Symptoms Occur - Bark and other Tonics are Indicated. Tumors of the Limbs and Tongue, if there is no difficulty of Breathing, if there is decay or absence of thirst, if gentle Sweats take place, if the Tongue be very dark and dry - we must begin with small doses in the Ratio of debility of Action.



# Lecture 4.

79

Typhus Gravior, or Putrid Fever is known by Petechia, Hemorrhagies from the Bowels & Lungs, Slow pulse, great Prostration of Strength, when the debility is so great that the Loss of one Ounce of Blood Precipitates the Patient into another World.

The Remedies for the Typhus and Typhoid Fevers are so nearly allied, that I shall Include them under the Head of Stimulants These are either Internal, or External, the Internal are Aliments and Medicines, as Ferments and distilled Liquors, Opium. Mercury, Vol. Alk. Bark, Empyreal Oils, Pure Air. The Aliment is Animal or Vegetable, External Stimuli are, the warm Bath



Do Bath, Cataplasms and Fomentations  
to the Breasts and Limbs - I shall make  
a few Observations on the use of Stimuli:  
Begin with Small doses and Increase them  
Gradually in the Ratio of debility, give  
but one, two, or three at most at a time, give  
them in Alternation, as the constant use  
of one Prevents the ~~one~~ System at Length  
from being affected by it, and by now &  
then omitting one for a time, as effects  
will be produced nearly as before - give them  
Constantly - This Observation applies Parti-  
cularly to Internal Stimuli, as Opium,  
of Stimuli considered Separately -

Wine, This consists of a Spirit and an  
Unfermented <sup>matter</sup> ~~and~~ called must, the White  
wines contain more of the Nutritious cordials  
Than the Red - and their Antiseptic and  
Stimulating properties are Greater, it may



be given either alone, or diluted, from a <sup>(8)</sup>  
Quart to 3 pints, or more of the former, and  
from one to 3 Bottles of the latter, or the  
Red in a day. Doctor Campbell gave six  
Bottles in a day to a Woman.

When an Acid Predominates in the Sto-  
mach, White Wines are most Proper, it  
is Remarkable that Persons in the Ty-  
phus State of Fever, who in Health  
could not drink more than half a Dozen  
Glasses of Wine without being Sensibly  
affected with it, will drink two or three  
Bottles without any Inconvenience or  
Intoxicating effects from it.

2. Malt Liquors, Porter is Preferable to  
all, its Bitter Possesses a Tonic power  
and is not liable to decomposition in



(22) The Stomach, from one to three Bottles may be given daily, Doctor Seton has the credit of first Introducing it into Practice.

3. Distilled Liquors are far Inferior to Wine and Malt Liquors, as they are less Nutritious, and are not Antiseptic: They Stimulate without any other Effect, they may however be given Advantageously to such as have been accustomed to them and may be Applied to the Skin Externally, and by Snuffing up the Nose.

4. Vol. Alk. Pringle long ago determined the Antiseptic Qualities of this Medicine, but its Use in this disease, Arises I think from its Stimulating powers. From 5 to 10 Grains may be given every two Hours in the form of a Bolus.

5. The Empyumatic and Aromatic Oils,



Ol of Amber of the former only I have (83)  
Tried, it is Particularly usefull in the  
Spasmodic which attends the Last Stage  
of this disease, it is an Antispasmodic,  
The human Body is divided into Sys-  
tems; and I have to prove hereafter  
that Specific Stimuli Exist, by which  
I do not mean having a Specific Ac-  
tion on particular parts, but on a  
Particular System. Thus Asafoetida  
Acts on the Nervous System, in which  
I include the Brain, Nerves, and  
Muscular Fibres, but very little on  
the two divisions. Ol of Amber Acts  
on the Muscular fibres, Ol. Mint is  
Very Serviceable in making the  
Stomach Retain Medicines &c  
I am little Acquainted with the Sti-  
muli taken from the Animal Kingdom



84 As Myrrh, Castor, they Succeeded  
Allum crecum, Cranium Humanum  
and other Lothesome Medicines, and  
lately, an Ineffectual Attempt has  
been made to Introduce the Urine  
of the Polecat into our Materia Me-  
dica, I have never Prescribed musk,  
Castor &c with half the Advantage  
I have Opium.

O. Opium, This is what the Roman Poet  
Stiles his Hero - Ipse Agmen, a Host of  
itself. I believe it is a Stimulus and  
that all its Effects can be Explained  
upon this Principle and I Published  
this Opinion long before I heard of the  
name of Doctor Boerhaave as the proposer  
of any new Opinions in Medicine, in  
the Philosophical Transactions.



That Opium is a Stimulus I infer from P5.  
its Effects upon the Human Body in  
Health and in Sickness, Thus when given  
in Small doses it Increases the fullness  
and diminishes the quickness of the pulse,  
if in Large doses, Inflammatory action is  
Produced, it acts on the Surface of the  
Body Promoting Perspiration, and its  
Effects is Analogous to those of Spirituous  
It produces Sleep in the System when  
below the Sleeping point, by Raising it  
to that point; or if it is above that by In-  
ducing Indirect debility, it acts upon  
the Same Person differently at different  
times according to the State of Excitability  
30. drops affecting the person more at  
One time than 300 at another. Doctor  
Boquet at Paris took in one day 100



86 Grains of Opium and lbs of Ether in the  
colick without any bad Effects, it Clears the  
minds, and Removes Flatulency from the  
Stomach, all the Stimuli produce effects  
According to the part of the Body on which  
they act, Ardent Spirits act upon the Ar  
teries and Nervous Systems, producing  
in the former Increased Action, on the  
Viscera occasioning Schirrophies, and on  
the Alimentary Canal giving it Tonic.  
Mercury Acts on the Glandular System  
Increasing the Action in it, Ether Acts  
on the Nervous System, Ol of Amber  
Acts on Muscular Fibres, Allaying Tumors,  
but Opium Acts on all the Systems, on  
the Alimentary Canals, producing Co  
stiveness, on the Arterial System producing  
Increased Action, On the Glandular  
System, Stopping the Excretories, on the



Muscular Fibres Removing Tumors, on <sup>of</sup>  
the Nervous System and Brain producing  
Pleasant and Exhilarating Sensations,  
on the Skin, by Producing equable Per-  
spiration. It differs from all the other  
Narcotic Plants, for they have their Influ-  
ence only on the Brain, Henbane and  
Nightshade are not unlike it. for they  
are Narcotic. I was first led to suppose  
it a Stimulant from the following fact,  
A Gentleman in the Lowest State of Ty-  
phus Fever, took by Mistake a Tablespoon  
Spoonfull Laudanum instead of the same  
Quantity of Bark mixture, and immedi-  
ately fell into a deep and Salutory Sleep  
he Slept for 40 Hours at which time he  
awoke from all his Symptoms: during  
his Sleep his Perspiration was easy  
and Natural, The want of Sleep is



(P) more commonly occasioned by an  
Excess, than a deficiency of the dose. I  
have frequently induced Sleep by 10 drops  
of Scaevola, when 50 would not  
produce it. Sleep should always be  
brought on by Raising the System to the  
Sleeping point large doses producing In-  
direct debility, tend to produce Effusion.  
In administering <sup>Administering</sup> Opium observe.

1. The Less the deficiency of action the  
less the dose.
2. The dose should be Increased according  
to the progress of debility.
3. It should be given in small doses  
during the day, and a larger one at  
night, when debility is greatest.
4. In sudden debility give small doses



Doctor Hedman relates a case of a Boy <sup>89</sup> debilitated by an Emetic, dying in consequence of taking 30 drops of Sassafras, which in this case was a large dose.

5. After being Used Some time, it Ought to be laid Aside, to give place to other Stimuli.

6. The dose Should be Lessened as the Patient Recovers. after Opium Ether may be Given from 40 to 50 drops every Hour. This is Principally to be given in Nervous diseases. in this State of Fever Bark has many advantages, both as a durable and Diffusible Stimulus The Same Rules are proper in its administration as in Opium. we Should begin with the Tincture, next mixture with Sassafras, or Herxams Tincture If it disagrees with the Stomach.



(90) Gentian and Columbo Root are to be  
Used in its Stead, they are however much  
Inferior to it. - That Mercury is a Sti-  
mulant Infer from its Effects in diseases.  
In 1788. I attended a Gentleman in this  
Fever, on the 14 or 15 day he Complained  
of a dull pain in the Region of his Liver  
Suspecting an Obstruction in that Viscus  
I ordered half an Ounce of Mercury to  
be Rubed upon the part Affected, which  
Induced a Salivation, and Produced a  
favorable Crisis. This Medicine may, I  
believe be used with Advantage in Typhus  
Fever, too much cannot be said of pure  
Air, Pure I say for Cold is Exceedingly  
Improper, It may be Obtained in two  
ways. 1. By Removing all Causes that  
Corrupt it, and Secondly by Correcting



The Air, this may be done by means of fire 91  
Hospitals are highly Recommended with  
Fireplaces in the middle of the Room, and  
with Earthen Floors and Walls, as these last  
Neither Retain nor propagate Contagion,  
This is left on Record by Count Saxe.

The Efficacy of Smoke in curing fevers, did  
not Escape Mr. Bruce. for he says those  
poor People who lived in Smoaky Houses  
Escaped the fever of Mispua.

The deflagration of Nitri in a Room has  
a tendency to purify the Air, There are  
Other Remedies which Should be given  
by the Nose, and by Glysters, the Smell  
of Vinegar whether pure, or Burnt on a  
Shovel is Very Gratefull in this Fever.  
Volatile Linament is Used Applied to the  
Stomach and Bowels, and Injections



92 Of Bark, Wine, and Sassafras are very  
Serviceable, Aliment are either Vegetable or  
Animal, The Vegetable are Sago, Potatoes  
Tapioca & Animal Food has been Objected  
to on account of its Alkaliescent tendency  
but without Foundation, It is far Superior  
to Vegetable food, as it is much more Sti-  
mulating, Chicken and Oysters are very  
Gratifying, when Soups cannot be used ~~and~~ Food  
may be Recommended, you ~~may~~ should suffer  
the Appetite to govern the Aliment with Great  
Caution, for there is frequently appetite without  
Digestion, and Digestion without Appetite,  
You should tempt your patient to eat often  
& little at a time, the External Stimuli are  
1<sup>st</sup> the warm bath - but this seldom can be  
used with safety, on account of the Great Debility  
which succeeds the Exertion of getting out of Bed  
D<sup>r</sup> Wilson was nearly Destroyed in attempting to



Use it in the late war. all its good Effects however<sup>93</sup>  
may be obtained by means of warm fomentations to all  
parts of the body of Brandy and water, cold water in the  
Typhoid Stage Cata - plasters of bread and milk  
should be applyd to the body. Flour of Mustard may  
be applyd to the feet, but should not continue on lon-  
ger than two or Three Hours at which time they will  
have Produced all their good Effects and beyond this time  
they only Produce Inflammation - Gargaris Exceedingly  
useful - if these fail the External Application of  
Roch and wine mixed together will probably be  
usefull, D. Broadbent of S. Carolina was cured  
by being wrapped in a sheet wet with a very  
strong infusion of leech and wine, in this fever  
the state of the mind is not to be neglected, all  
stimulating Passions may be advantageously  
imployed. Hope is most under our Command &  
Particularly excited by Relating facts of Persons  
in similar situations who have recovered -



94 Nevertheless these Considerations Should not  
Prevent us from informing the Patient of his real  
dangers, we Should forbid our Patients from Getting  
out of bed, or even sitting up in it, unless for the  
purpose of having bed and body-linen changed—  
Cold drinks are improper unless there is some  
reason to suspect inflammation of the Stomach & bowels,  
Purges are improper unless an accumulation of bile  
is evident, in fact Constiveness for two or three days  
is advantageous—Blisters are not improper but  
they are in this Case What Dr. Brown calls them  
(the Extreme Unction of Medicine) the fever  
Sometimes assumes an inflammatory type &  
must then be treated Accordingly—  
these Observations serve to show the Imense  
Consequences of frequent Visits to our Patients  
to Watch the Various Changes in the System  
and I will add were it possible for us to Record



Reside with our Patients, it would be 95  
next to Impossible for him to die of a fever.  
The Condition of the System is the Compass  
from which we should never take our  
Eyes in a Fever, after the Termination of  
a Fever, Patients are frequently the objects  
of Medical Care. Convalescence is of  
itself a disease composed of debility and  
Excess of Excitability with several Sym-  
ptoms of fever. its Symptoms are —  
1. Watchfulness 2. Sickness or Vomiting.  
3. defect or Excess of Appetite 4. Swollen legs  
5. Obstructions in the Viscera, 6. Ulcers  
7. Dravelling and defect of Speech.  
8. Impaired Memory, 9. Alteration of Voice  
10. Coarseness. 11. Falling of the Hair, or  
its turning Grey 12. impaired State of  
the Understanding. Sometimes the



96 Moral Faculty is depraved a little  
Bile is frequently discharged, Especially  
After bilious fever. 13. Febrileness, this  
will frequently happen. and is frequently  
attended by Chills.

The Cure consists in cordial drinks, and  
Nourishing diet. of the former is Porter,  
of the latter Chorotate, Wild Fowl -  
Beef-Stakes &c. we must let the Patient  
Eat often and but little. Fruits of  
every kind are Exceedingly Gratifying  
and proper in the Convalescence of fevers  
we must however use them moderately  
Mr Howard tells us a Relapse was  
Sometimes induced by Animal Foods  
Forty days after a Recovery from the  
Plague. Bruce tells us, after a severe  
fever. even the Smell of meat had a  
Very bad Effect. The Premature Indul  
gence



genre of Venereal Passions, frequently (97)  
as also the too great Exercise of the understand-  
ing. Doctor Campbell Relates the Case of a  
Convalescent who died After Answering an In-  
tricate Letter. - Henry again Patients as soon  
as possible out of the Room in which he  
has so lately Escaped from the Grave, for  
his empty pill Boxes, Bottles, and fragments  
of Plugs and Plaisters, by their debilitating  
Association of Ideas may Induce a Relapse.  
A Change of dress I would Strongly Re-  
commend, I have heard of a Gentleman in  
South Carolina who used to cure lowness  
of Spirits by going into his Wardrobe &  
Changing his clothes.

Gentle Exercise, not so Severe, on long Continued  
as to produce fatigue is proper - For Novelty  
has a very fine Effect, Ruxams Liniment  
is also a fine and Very proper Cordial after



90 A Nervous fever, If the Fever was taken  
by Contagion, to Escape a Relapse, it is  
Essential to Avoid the Contagion, we must  
Avoid Prizing, for the debilitating Effects  
may be too great, for Some of the Symptoms  
Attending Convalescence, the following  
Remedies may be Employed.

1. For Obstinate Wakefulness, a few drops of  
Sassafras may be given at Bed-time
2. The Sick Attack in the Morning may  
be prevented by eating a Small Quantity  
through the Night, or in the morning before  
Rising from the Bed.
3. A few drops of Elix. of Vitriol three or  
four times a day, or a Preparation of  
Bark, or Columbo-Root is very Useful  
to Restore the appetite.
4. Swelling of the Legs are Removed  
by Rubbing them upwards and Only in



The morning 5. Visceral Obstructions 99  
may be Removed by bleeding. a Mercurial  
Purge, or Mercurial Ointment.

6. Ulcers of the Legs, According to Pringle  
are to be Treated with Stimulating Appli-  
cations.

7. The impaired State of the faculties is  
very hard to Remove; I have found sate-  
ly cured by the cold Bath, and I have  
even known being cured by it. Time  
and a good living will most probably  
Remove the Defect—by attending to those  
Remedies many have been Saved from  
the Grave—From the present successful  
mode of Treating fevers, not more than  
One in an Hundred dies—though Thirty  
Years Ago, ten of that Number died—Let  
us go on, and I doubt not it will at length  
be as Rare for a man to die of Fever, as of



100 The toothache, Great care is necessary  
with regard to Nurses, for they frequently  
obviate the designs of a Physician, by a  
total Neglect, or wrong Exhibition of the  
Medicines and diet prescribed, when a  
Person is in a dangerous Situation, we  
must trust none but those of Established  
Character as Nurses.



# Lecture 5

105

The Plague, this is a Symples highly contagious, and is propagated only by touch or by the Breath - to the distance of a few feet. dead bodies are Incapable of communicating the Infection, it Conceals itself in clothes for several Years, and then will often shew itself, Those who are diseased propagate it before it has appeared in them - It generally shews itself about the second or third day after Infection, and seldom later than the fourteenth - Inoculation renders it milder, and causes it to appear in four days - Carbuncles attend the disease, and the Harder the Carbuncles, or Pustules



The more dangerous the disease. It  
 Terminates on the 3- 5<sup>th</sup> and 10 days  
 Persons are Affected with it more than  
 Once, but not in the Same Season.  
 It prevails in Constantinople in Summer  
 and in Egypt in Winter, because the  
 Summer in the former and the winter  
 in the latter is moist, it Appears every  
 four or five Years in Egypt. The water  
 Carriers in grand-Cairo escape it Alto-  
 gether, because they are kept constantly  
 not only moist, but perfectly wet, and  
 Married People are more Subject to it  
 than Others.

A. Turgid Sparkling Eye is a precur-  
 sor of the Plague, and Persons who  
 have Issues know that they are Affected  
 with the disease, by the great Smart-  
 ing that Attends them, this disease



Prevails in all Seasons, in different 103  
Counties, it does not contaminate the air,  
It rises spontaneously, and is produced  
by warm moist Weather.

The Cure Consists in Bleeding if Infla-  
matory Action prevails — I we have  
the Saction of Sydenham for this  
Practice, who affirms he has some-  
times found the blood Sory. Fires  
kept in the Rooms of Patients Attacked  
by this disease are exceedingly Service-  
able. — Are there any preventatives  
for this disease, Yes — Avoid contact  
with any person, or thing Affected  
Wash the face and hands with  
Vinegar. Issues are proper, an Earth  
Greece has been known to Check  
it, Wine and Sugar taken plenti-  
fully are the best preventatives, and



(104) It is Remarkable it never has  
appeared where Sugar is made, for  
Example, in the West Indies, the  
Accounts of the fatality of the plague  
in Constantinople are always ex-  
ceedingly Exaggerated, and that for two  
Reasons 1. because Physicians are  
never paid for their Attendance of  
Patients who die of any other complaints  
than the plague, hence they ascribe  
all diseases to this Cause.

2. Because debtors in order to keep them-  
selves from the different Executive  
Officers affirm they have the Plague.  
Febricula. Called in Maryland inward  
Fever, is Increased in the Night, and  
is attended with a Diarrhea, it is  
Cured by Blisters and Opium.

Cholera Morbus, This arises Spontane-  
ously,



ously in August and July, very often 105  
it is brought on by a cold and moist  
Evening succeeding a Warm day. the  
Convulsions of the Arteries is Transferred  
to the Bowels.

Acid Substances, and Summers bea-  
ting on Excess of Acid produce this  
disease.

The Symptoms are, Vomiting & Purging.  
Sometimes one of these, and sometimes  
both of these occur. The Pulse is weak,  
Small, and Irregular, Cramps in the  
Limbs and Bowels. I had a Patient  
who lost 10 pounds of his weight in  
36 Hours, this disease Sometimes pro-  
duces death in 24 Hours.

The Cure - If we are called early Enough  
an Emetic Should be given, but as it



106 Seldom happens, an Emetic is Unnecessary  
Laudanum Should be given in Small  
doses, in Mint or Cinamon Tea, but it  
may be Increased to 200 drops, Unless a  
Smaller quantity Answers the purpose.  
The Stomach and Bowels are to be covered  
with Warm Plaisters - Venice Treacle is  
Particularly good - Vomiting is Sometimes  
Refracted by Bathing the Stomach  
with Soaked Oatmeal, Infused in Water  
diluting drinks. Especially demulcents  
by way of Glyster. Doctor Hunter says  
an Immediate desire of going to Stool  
after eating or drinking is an Evidence  
the Person has a Cholera. This disease  
is Sometimes Produced by Accidentals  
Circumstances, as Chaguala, and is Cured  
by demulcents and Opium.



Dysentery. Its proximate Cause is (1807)  
an Excess of Irregular, or a defect of Re-  
gular action in the Stomach and bowels  
together with a Stricture upon the colon.  
Most of our dysenteries appear to be Sym-  
ptomatic, or the Febris Introversa of  
Doctor Sydenham from their being so  
Easily cured by the Remedies for Autum-  
nal Fevers And M<sup>r</sup>. Bruce has observed  
them in — Often Change into each  
Other, but the determination of this que-  
stion is of but little Importance, as  
we prescribe not for the Name of a dis-  
ease, but for the State of the System.  
This disease is attended with frequent  
Stools, Gripping, Tenesmus &c. There is  
Monarchy in diseases, as well as in  
Government — and every disease partakes



(108) more or less of the Nature of the prevail-  
ing Epidemic. Thus the Measles of 1671  
Banished almost every other disease, &  
the Autumnal fevers of 1703 were all  
marked with Symptoms of Scarlatina  
Anginosa, which was then the monarch  
disease. The dysentery is Contagious, it  
appears to be Idiopathic and Symptoma-  
tic, the former disappearing in the Win-  
ter months, the latter continuing all  
the Winter. It is more Common in  
high Situations, while Intermittents  
Prevail below. It is more Common  
and Fatal in the Country; than in the  
City, probably owing to the difficulty of  
getting speedy Medical Assistance,  
it may be more fatal in the Country,  
and the more generous diet of the Citizens  
fortifies them against. Then the Simple



Diet of Country People, it is also 109  
fewer than the Negroes are more Subject to  
it than the white People, according to Dr  
Killing in his diseases of Barbadoes, it  
is this disease that carries off  
off such numbers on board the African  
Ships, Summer Fruits, and an Excessive  
Quantity of Rice, or a small quantity  
of Unripe Fruits dispose to it.

Doctor Tissot thinks he has used Ripe  
Fruits with Advantage. a Salt diet  
Prevents this disorder, Doctor Clarkson  
says he once saw a dysentery go off  
with a profuse Salivation. I once saw  
it terminate in a Severe Ophthalmia &  
Rheumatism, it is most Fatal to old  
Women and Children, few die with it  
Under proper Treatment.

*re Uno* The Cure. If there is Inflammatory Action



(110) *Bleed* - This is Seldom proper, I once  
used it, and then the Blood was Sore  
Vomiting is to be Employed only when  
there is great Nausea, or when it is Sup-  
posed to be Febris Introversa - *Purges*.  
These must be of the most lenient kind, as  
Cream. Tartar Salt, Castor Oil, Manna &c.  
Salap and Rhubarb are Improper, because  
they Grip, but if it is necessary to use the  
latter, it must be Toasted, for this destroys  
its Gripping Quality - I have known an In-  
stance of Equal parts of Molasses & Vinegar  
Curing two Members of the same family  
I have seen several Cured by taking a little  
as two or three Spoonfulls of Cold linseed  
Oil, Salt and Limejuice have been given  
with great Advantage in the West Indies  
*Blisters* are proper, and have been



Recommended by Some to be applied to 188  
the Abdomen, but I think they are more  
Effectual when applied to the Extremities.  
Glysters of Mutton broth and Flaxseed-Tea.  
Rice-Water &c with 40 or 50 drops of Lau-  
danum. Cold Water with Tea dissolved in  
it, is much Recommended by D.<sup>r</sup> — and  
Huxam says the poor People use Cold Wa-  
ter with great Success, the white decoction  
of Shavings of Harts horn and Gum Arabic  
is very Usefull. The following I have found  
to be good, take a Leaver full of wheat flour  
and tie it in a Bag and boil it in a pot  
with Ham for Six or Eight Hours untill  
it is as hard as a Roasted Brick. then  
Grate it, and make it into a Gruel with  
Sugar and Wine. I once Saw a palsy  
of the Arm follow a dysentery. I have



(112) Already said that dysentery had been prevented by a purge, So also has Scarlatina in the same way, when Remissions appear, the Bark may be thrown in with advantage, for there is in this dysentery Sometimes Regular Action Intermissions and Paroxysms, it is of great Consequence to have Fevers Removed from the Room as soon as possible - dissections shew that the lower Bowels are Sometimes in an Inflamed State.

Doctor Kerby has Observed that no two dysenteries are alike, while Pringle says they are alike in all Countries, and Require the Same Remedies. The Combination of dysentery and Jail Fever are always dangerous. Cadaverous Stools and a Squaking Voice are Always deadly Symptoms. I once saw, and only once an Instance of a Patients Recovering



vering after a Squeaking Voice; It is rem<sup>113</sup>  
arkable that Patients in this disorder, as  
well as in the Cholera, Retain a Consider-  
able degree of Strength even to the last  
and walk about the Room with livid  
Hands &c. dysarrhea Sometimes succeeds  
dysentery, but it is not an Alarming Sym-  
ptom, and is cured by Port-wine, Generous  
diet, and Gentle Exercise, Some dysenteries  
are attended with Miliary Eruptions.  
Some without a discharge of blood - when  
Worms attend Pringle advises to give per-  
ges of Calomel - There is a disease Arised  
from the Dysentery, I take the liberty of  
calling it Dysentericula. This does not con-  
fine the Patient, and is cured by blisters  
and Bark.



# Intermittant Fever

Intermittents I define to be fevers which consist of different Paroxysms at different times accompanied with Chilliness Generally, for this does not always occur, and then the Country People call it the dumb Ague, because there is no attending Chilliness to Inform them of the Approaching Paroxysm. These Fevers are divided into Quotidian—Tertian, and Quartan, Several Opinions have been advanced by Authors to explain the Recurrence of Paroxysms, but they are in my Opinion all Wrong, Doctor Cullen says they depend Upon Habit, and Secret Influence of the Heavenly Bodies, Brown



Upon the Recurrence of debility, now debility 115  
is Greater in Quaintans, yet they Occur most  
Seldom. — I think it Depends on the Asso-  
ciation of Ideas and Motions, Conversation  
or a Stronger Stimulus, frequently by destroy-  
ing the Associations of Ideas and motions puts  
off, or prevents the Recurrence of Paroxysms.  
Sleep, or being Shut up in a dark room pro-  
duces the Same Effect.

A Lady Informed me, that She had been  
Subject to Sneering for 12 Years in the month  
of September — This Certainly proves the  
Associations of Motions, nor is it Confined  
to the Animal Kingdom alone for Mr.  
Muehlenburgh an Excellent Botanist of  
this State informed me, That all those flowers  
that put forth on the first of July one Year  
did So also on the next. According as the  
Paroxysms appear Sooner or later, than



116 Usual, The fever is Increasing or declining  
agreeable to Doctor Jackson. That the fever  
first arising depends on predisposing debility  
is proved by a Number of facts. Doctor  
Clayton Says all the Inhabitants of Wil-  
mington are predisposed to Intermittents,  
and if they take a Journey into the high  
back Country, they are Sure to have them,  
These fevers like others are liable to Variations  
they are Sometimes Attended with Topical  
Pains, as in the Eyes, Ears, &c. Frequently  
they are very difficult to cure, and in Au-  
stria, their duration is counted by Years  
and Months According to some Observers,  
they were formerly fatal, for two of Kings  
of England died with them.

The Cure is divided into two parts. 1. To moder-  
ate the Paroxysms, 2. to Prevent their Return



ence. Patients Sometimes die in the Pa <sup>187</sup>  
roxysms, but never in the Chilly-Fit. Accord-  
ing to Lind. the Longer the Chilly-fit, the  
Shorter the Paroxysm.

Partial Excitement prevails over the System  
and Vomitting Occurs, to Check which, a few  
drops of Laudanum may be given with ad-  
vantage. The miasmata acts Sometimes So  
Violently as to kill like Lightning, by de-  
stroying Excitability and Excitement. The  
Remedies are palliative and Radical.

1. Of Palliative 30 or 40 drops of Laudanum  
has strangled, or prevented a fit of Fever,  
Aromatic's Viz. Nutmegs and Pepper with  
Vinegar, The Spider's Web, or Juice of the Spider  
made into pills in the following manner  
Wrap up a Spider in a piece of Bread, lay  
it before the fire, till the Bread absorbs the

not correct



110 Juice, and then make it into pills, of the Radial Bark which is composed of bitter and Astringent properties. Doctor Brown has denied its Efficacy, and has Substituted in its place Opium And Brandy.

In Great debility the Bark is to be given in large doses from  $\frac{1}{2}$ ss to  $\frac{1}{2}$ ss, if it proves Laxative a little Laudanum is to be combined with it, if Costive, a few grains of Rhubarb, Blister Seldom fail when there is mixed action.

Bloodletting if in Winter and Spring, there is in one part Excess, and in the other deficiency. If this fails, or is not Indicated, Mercury is to be Employed, but this is always to be accompanied with Generous diet.

Sydenham Recommends a Change of Air and this frequently proves Salutary. Vomits have frequently been Advised, but I think they are Improper, Unless when the fever is



Forming, or there is a constant Nausea from 119  
collected Bile. - Vernal and Autumnal Inter-  
mittents are to be treated Alike. In the former  
there is Sometimes Social pains, under which  
Intermittents Sometimes conceal themselves,  
they are also Sometimes attended with Convul-  
sions - They are the Febris Intermittentis  
Subformis Cavata of Senac.

Laudanum and Bark in these Irregular cases  
are proper. They also appear with Inflammatory  
Congestions, Cholera and Head-ache, this Con-  
tinues Sometimes Long after the fever has  
Terminated, and is its farewell Symptom,  
It is to be cured by blisters and Bark. The  
Efflorescence Occuring in this Fever, Requires  
no particular treatment. The quotidian  
often assumes this appearance. I formerly  
Spoke of Monachy in diseases. the Intermit-  
tent fever seems to be one of the most absolute



and most diseases on their first appearance  
 seem to follow more or less the Intermittent  
 Type - I have seen it blended with the Pe-  
 ripheral fever itself. The diseases which follow  
 this fever are, dropsy, jaundice, Costiveness,  
 Obstructions in the Omentum, Liver, and  
 Spleen, called Spleen and Liver Cakes,  
 these however are less common since  
 the use of the Bark - tho' this was formerly  
 supposed to produce them, and for that  
 Reason its use was much circumscribed,  
 Swellings in the Legs, arms and body of  
 Children are favorable Symptoms. Purg-  
 ing is improper after the cure, it produces  
 Relapses - Huxham Recommends in strong  
 terms, the use of the cold-Bath as a tonic,  
 there are two Important facts Mentioned  
 by Doctor Clark and Claypole, the latter



Says he has seen the intermittent fever 121  
alternate with Gonorrhea benigna, and  
the latter observes, that tho' the Intermittent  
Fever is not Generally, yet it Sometimes  
is certainly contagious - I shall con-  
clude my account of Intermittents by  
asking whether the Intermittent fever  
may be used as a cure for Mornia

## Lecture 6.

Prognosis of Fevers - This is very Uncertain  
and is not at present; tho' very much formerly  
attended to Since the practice of Physick has  
been taken out of the Hands of Priests.

Of Critical days - Hippocrates first laid  
the foundation for these; but fevers in the



122 Time of Hyponates, were Simple on account  
of Nature having never been disturbed, and  
from the particular Security and uniformity  
of the Climate, and he observed with the greatest  
attention the Operations of Nature, without Inter-  
rupting her with Medicines. Fevers generally termi-  
nated *Crisis Paribus*, and had the Crisis on the  
Same days, hence his great Character for Prog-  
nostics, on which he has Written a whole Volume.  
On Referring to his Cases, you will find above  
One half of his fevers terminated in death, or  
were continued on for 20, 30, or 40 days, the  
Number that died were certainly a Very  
Great Proportion Especially Considering the  
Present Improved method of Treating dyspeps  
by which they are more frequently arrested  
in the Progress, So that critical days are not  
to be Observed at all, or not to be depended  
on — I would as soon let the Son of a



Family go on through all the different (123)  
Stages of Vice, in order to observe the Critical  
Periods of Youth, which the Occurrences of  
Moral evil is disposed to observe, as to sit  
by Patiently and see a fever Terminate in  
Obstruction, Effusion, or death, when it would  
be Equally in my power to arrest the progress  
of both by an early Interference.

Sydenham Supposes the Natural duration  
of a fever to be 336 Hours - Balfour Suppo-  
ses critical days are to be Rejected, but  
Speaks of Critical Periods which he ascribes  
Wholly to the Influence of the Moon. and  
indeed his Opinion is Supported by some  
Important Facts - we are informed that Ba-  
con Bera, and Cromwell fainted at every  
Eclipse of the Moon, it has likewise an In



124. Influence on Tides, Vegetation, and Worm dis-  
eases - The Bile is also more abundant at the  
full of the Moon, between these Periods Re-  
lapses are frequent, Thus these critical periods  
Consisted of 12 days in each month, for Ano-  
ther critical period was three days before and  
after every full and Change of the Moon  
If the disease Arose in the first Six days  
he made use of powerfull Evacuants, and  
by attending to these Periods he gained a  
Reputation for preventing and predicting dis-  
eases and Relapses - The day of the full or  
Change of the Moon is the Worst - he says  
the Influence of the moon extends over all  
that part of the Northern Hemisphere where tides  
are known, thus making his principles so  
Extensive as to have Influence even over the  
Small-pox, Doctor Mitchell says that



In the Yellow fever in Virginia 1741 (842125)  
The critical days were very accurate, and  
decided positively in their favor. —

Before mentioning when those Critical days  
happen, we will make two Observations.

1. When all mankind almost all consent in  
One Opinion, there is great probability of its  
having some Shadow of Truth.

2. Error is like a counterfeit, which En-  
sures that there is an Original in Circula-  
tion — The critical days are, the 3-5-7-  
9-11th at which time the Tertian Changes  
into the Quartan Type, and the latter pre-  
vails and endures on till the 14. 17. and 20  
Owing to the Encreasing debility, the Tertian  
Seems to be the Original Type.

Prognosis from Symptoms — These are taken  
Chiefly from my own practice.



126 1<sup>st</sup> The pulse, Volumes have been written upon it, the more I attend to it, the more I doubt its Information, it deceives in Old People and in Children, the only Truth that can be Learned from it. Respects the State of Action in the Arterial System, we may however make a few Observations.

1. If it Rises above 100 it Generally proves fatal. I felt one in a Child, in the Hydrocephalus Internus 204 The Night preceding death — 2. A Quick pulse, the full & hard is Unfavorable. From the position, if the Patient lies on his back, it is a Very bad Sign, Still worse if he Cocks up his Legs — but Worst of all if he Slips down in the Bed — The position is good in proportion as it is Natural. Voice Sharp and



Quick is bad, Especially if Combined with (127)  
Hiccough. Aphonia is still worse - I have  
Seen two Instances of Pseudoparaphonia continuing  
through Life, and one of Recovery after aphonia  
A very small or Enlarged pulse is Very bad,  
Voluntary Tears are very Favorable, Involuntary  
are otherwise - Avoiding Light, and false Vi-  
sion are Very bad - Mistiness and Glassy  
Appearance of the Eyes are bad - Blindness  
in fevers Generally proves fatal - One Eye Appear-  
ing larger than the other is Unfavorable -  
The Tinnitus Aurium is Unfavorable, deafness  
is doubtful, but Sometimes favorable, want  
of feeling in the Extremities as to Cutting, burn-  
ing, Blistering, Cold &c. is very bad - but a  
Sudden Soreness to the touch is highly favor-  
able; there is nothing more so - Indistinct  
Speech is very bad - Stumbling of the Tongue  
denotes debility and delirium, a dry Tongue



Is bad, the dryer and darker it is, the more Unfavorable. we must distinguish between a dry Tongue, Occasioned by keeping the mouth Open, and from disease. A Return of taste for Tobacco, or any favorite Substance, is an Excellent Symptom. The moisture on the Tongue on Recovery, begins on the edges & Tip. the dark Colour on the Tongue Remains for Several days after the fever has Terminated. — Teeth. — A dry and Viscid humor on the Teeth is very unfavorable. A knocking of them Together denotes delirium. a hanging of the lower Jaw is Very bad. Yawning and Sneering are favorable, because they Exhilarate, Sore Throat at the end of fevers is Very bad. Tumors and Starting, called Subfultus Tendinum are also bad. Likewise Coldness on the Extremities. Redness in the Hands and



Feet is Generally a favourable Symptom. - 129  
Immobility is highly favorable at the Crisis of  
a fever. a Chilly fit in the advanced Stage of  
Slow Nervous fever is favorable because it  
Shews an Intermission has taken place. -  
Urine - Paleness of Urine is a Sign of debility.  
dark and Bloody is bad. Cloudy is very  
favorable, but Sediment is more So.  
Stools. They are good in proportion as they  
are Natural in colour, Smell & Consistence  
Green Stools Shew an Excess of Bile mixed  
with an Acid. Black with an Alkali,  
White Shews an Absence of Bile, a natural  
Stool once a day is favorable, a discharge  
of Winds with considerable Explosion is a  
good Sign towards the Close of a Nervous  
fever, this I Learned from an old Woman,  
Worms at the Crisis of a fever is favorable,  
A Caution is here Necessary, never to let a



130 Patient at the Crisis ripe to go to Stool, for  
the Abstraction of the feces and Necessary  
Evacuations have caused a Syncope and death.  
Therefore it will be Necessary to Use a Bedpon  
or a Sheet.

Partial and profuse Sweats are hurtfull, if  
Accidental, Putrid Taste, or Cadaverous Smell  
of the Sweats are bad. a Mador is better than  
Sudor, — Abscesses — These were more frequent  
in the days of Hippocrates, than now, they are  
often favorable. Buboes in the Groin often  
Occur in Jail Fever, Sores and Ulcers are  
good in the beginning, but bad towards the end  
Blisters turning red and Running after being  
Nearly Healed are Very Favorable.

Prisipism at the end of Fever is an Exceedingly  
favorable Sign — however Prisipism has Occurred  
in the last Stages of debility, Mallice acquaints  
us that Prisipism Remained in a Man



Three Hours after death, and Mahomet in 131  
Confirmation of the Doctrines he taught, of the  
Jays of Paradise in the Gratification of Sense,  
Breathed his last with the Instrument of these  
Jays Erect towards Heaven — Hemorrhages are  
bad at the Close of all Fevers, Especially from  
the Menses and Anus.

Countenance — The Hypocritic is very bad. this  
Countenance consists in a Sharp nose, hollow eyes,  
Fallen Temporal Muscles &c. cold Contracted  
Ears, Skin of the forehead cold and drawn tense  
And of a livid color; and Countenance Suddenly  
Resembling Ancestors, are all very Unfavorable  
this new Resemblance to Ancestors may be Accounted  
for, by Supposing the Bones to be the Original  
Stamina, and formed in a more Exact Resem-  
blance to Ancestors than the flesh, which by  
falling in before death, presents little more than  
a Bare Skull. — A Sullen look is Unfavor



(132) able - State of mind. A Silent delirium is  
Worse than a talkative one, Especially Mirthful.  
Firmness of mind is favorable, good temper at  
the beginning, and Peevishness at the Close of a  
Fever are favorable - The last Shows the feeling  
is Restored - Asking for things Contrary to old  
Habits is bad.

Breathing - Quick and Slow is very bad, and  
if it is attended with a Hollow Sound it is  
So much the Worse, this is owing to the dryness  
of the Trachea &c. from the want of Mucus ge-  
nerally Secreted - A Piteous moaning is thought  
favorable - Stutters are generally fatal -  
Noise in Swallowing is bad - Sleep is favor-  
able if during the Night, it is Refreshing.  
And Accompanied with a moist Skin - This  
Precedes, or Accompanies a Crisis, the Return  
of Appetites, Natural or Artificial, or any old  
Habits - or Chronic Pains is favorable, the



Return of Sleep more So - but none of them (183)  
is Certain - I have even Seen death after the  
Continuance of all these Favorable Signs and  
Recovery after the most Alarming Signs of death,  
The progress of death in the back of the Wrist, it  
Appears here in Coldness, before it does on the ends  
of the fingers. - I have, however, Seen a Recovery  
when the Patients pulse had been Absent 80.  
Hours - and another in which the patient could  
hear, See, nor Swallow, but was Sustained by  
means of Glysters, of Bark Saccharum &c.  
I would Advise you however, never to prognos-  
ticate, or if you do, let it be death, when I am  
Asked my Answer is, I have Seen patients die  
who were better, and have Seen those Recover  
who were much Worse - This answer <sup>Satisfies</sup> generally  
them - I Shall here make a few Remarks.  
1. There is <sup>Frequently</sup> a Great increase of Fat after  
a fever - a Fat Old Lady came down Stairs



134 From a Nervous fever, satter than She went up  
when first taken 2. Persons frequently Acquire  
a fresh Stock of Health, and get Rid of  
Old disorders after a fever—probably from  
the Stimulus Acting upon the Excitability, and  
giving the System more Excitement than for-  
merly—Incontinence of Urine for 8 Years  
I have Seen cured by a fever. 3. the Body  
Sometimes becomes Elongated by a fever.

4 We may here Notice the manner of Speaking  
in different People to a Physician. a Penn-  
sylvanian Says he is unwell. in Maryland  
and Virginia, poorly is the term, and a  
Scots-man Says he is moving. A Scale is much  
Wanting in which danger, and not pain is  
Expressed, for in many diseases there is great  
pain without danger, and in Others great dan-  
ger without pain. I have Endeavored to form  
Such a Scale Consisting of Eight Grades—



12. 1 Health 2. indisposed, tender, poorly, 35  
3. Ill, 4 Very ill. 5 dangerous. 6. Recovery  
doubtfull. 7. Recovery Possible. 8 Recovery  
Impossible. —————

## Lecture 7

We shall begin here with Some Observations  
on Inflammation in General, Inflammation  
affects— First membranous parts, as the  
Pleura— Second Mucous Membranous  
parts, as that which lines the Nose and  
Fauces— 3 Muscular Fibres, as in the  
Rheumatism. 4 Cellular Membrane, as  
in the Phlegmon &c. 5. The Skin as Ery-  
sipelas, they all depend on General causes  
Frequently change into each other, and  
often appear together.



136  
m

# Pneumonia.

Pneumony and Pleurisy are useless distinctions, as they arise from the same cause, have the same Seat. and the same in fact as Cullen's Pneumonia. the more I examine into diseases, the more I find them to depend on predisposing debility, especially those that are inflammatory, they are often produced by great Fatigue from Labor, or Exercise, and from eating and drinking in Excess, these causes produce their Effects on all the External Surface of the Body, in which I of course Include the Senses and Alimentary Canal, as they are Exposed to the Action of the Air; These Inflammatory Complaints Generally Occur most in Southern and Changeable Climates. and never appear  
(in)



Russia, Canada, or in this place in uniformly Cold (137)  
Winters. Milary in his diseases of Jamaica says that in  
his practice he has seen it eight times Epidemic. The pain in  
the Side arises from an affection of the internal Muscles,  
hence it is greater in Inspiration, than Expiration, this  
is an evidence of the Whole system being Effected. The  
lungs are Effected only secondarily, and that because  
they are the Weakest Parts of the External Surface.  
I infer this from their not being affected for several  
days after the fever is formed. This disease arises most  
commonly from coming from the Cold into a hot  
Room, hence it might be more properly Called Catching  
a heat, than a Cold. Pneumonia is divided into three  
Species or States Viz. — Pneumonia Vera, — Notha  
& Typhoides. — First of Pneumonia Vera. Symptoms —  
Acute pain when in the Breast, when in the Side  
Obtuse. — Respiration is most Difficult in  
Inspiration —



(138) Inspiration on account of the affection of the  
intercostal Muscles Cough, Pulse full and Quick, there  
is generally excess of action tho sometimes there are cases  
in which there is great deficiency, or difficulty of action,  
but this has been explained under the head of Pericard-  
there is however, generally a mixed action in which  
there is Excessive action in the arterial system  
and defect of action in other parts, as debility in the  
Lungs, the Cough that occurs in this disease is  
humid or bloody, while that in the Asthma is dry  
the Remedies are first Copious bleeding - this may  
be done in large Quantities for I once took away  
from one patient 140 Oz & from another 104.  
Cullen directs the blood to be drawn from the side  
affected & supposes this Remedy does not Check  
Expectoration Bleeding plentifully terminates  
the disease without a Cough and prevents a tendency  
to



Rheum. Pulmonalis - it has been supposed that <sup>130</sup>  
Bleeding copiously has Produced a drop of the breast,  
and I have Reason to believe it once was Produced from  
this Cause, and if this takes place, the Cure is to be  
affected by a generous diet - 2. Laxative purges and  
Glisters, 3. Neutral salts with antimony &c to  
create a Nausea also Sencha root in tea or pills  
4. Blisters are advantageous in every stage of this  
disease, for this Stimulus is so weak in proportion  
to the pain, as not in the least to Injure while they  
Loosen Tension by the Evacuation they Occasion,  
5. Demulcent drinks, as bran Flaxseed Malloes  
Tea and Apple water, and when the Inflammatory  
action has subsided in some measure Dittany  
may be added. - 6. Inhaling the steams of <sup>Warm</sup> water  
and Vinegar about the Fifth day - it produces  
a gentle Stimulus and causes the lungs to evacuate  
their Contents - Opium is improper in the beginning  
as



(140) of this disease but when the Inflammatory  
action has subsided towards the Close of this disease  
it becomes proper by allaying the Irritation and  
checking the Cough - Cold is exceedingly improper the  
patient should set up as much as possible, for it  
diminishes the Inflammatory action very much -  
this State sometimes occasions an Empyema from  
suppressed Expectoration, in which case, a Natic  
comes on every night with Swelling of the legs  
& thighs and other Symptoms of Suppuration  
for which see Cullen - the Abscesses if the patient  
is not Consumptive sometimes break they are  
however out of the Power of Medicine the Matter  
Displayed Discharged has a bad Smell, the  
Cornea Produced by this disease, frequently  
remains for Months, for Months and years without  
Producing Coughs they However most Commonly  
Produce -



Produce death, by consuming the Substance (141)  
the lungs Pneumonia Nephth. - this is an Infection  
of Blood or Serum into the lungs, occasioned by excess  
and Continued thro. - deficiency of action in the  
Vessels of the lungs, its predisposing Cause are the  
Same as the Poca. - so are likewise the Exciting -  
it has been known to follow the Measles, Small  
Pox &c. - there is not so much action as in the  
Poca and it Generally Attacks in the night -  
it may be properly termed an Apoplexy of the  
lungs, its Symptoms are pain the Breast or Side,  
Difficult breathing - dry Cough - the patient  
can ly only on one Side, or with Great difficulty  
on the Other, the pulse is sometimes imperceptible  
and Rises upon bleeding, one of the most Particular  
Symptoms of this disease is that the patient cannot  
move from the Position in which he was first  
Taken, the Pyrexia Distinguishes it from the  
Asthma



112. *Almond*, the Remedies are all things that  
Debilitate the system, such as Copious bleeding, this  
Should be continued till the patient is Relieved—  
I have drawn 20 Oz without untying the arm &  
took 36 from Dr. Belmont in 24 Hours—Opium  
may be given immediately after the Bleeding with  
Advantage, blisters Should be Applied either to the  
Chest or Sides—warm Vapour is very usefull  
received into the lungs—Pediluvium is usefull  
Cold air is improper Demulcent drinks are  
Unnecessary. The frequently goes off without a Cough,  
Pneumonia Typhoides—Its Proximate is Small  
Erys, but great difficulty of action, it Occurs in the  
Spring and is sometimes Accompanied with an  
erysipilaceous or Military eruption, also  
marsh and Humoral Effluvia are Supposed to  
Produce it, It is sometimes epidemic according  
to Herbar. Those are more Subject to it who  
have



have Previously been debilitated by Intermissions <sup>113</sup>  
fevers. it is the same disease that is called the bilious  
Pleurisy in the Southern States. Its Symptoms  
are First, 1. Generally comes on first by Vomiting  
this is sometimes bilious and carries off the Patient  
in a short time, 2. Great Pain 3. Cough more  
Humid than in either of the foregoing Species.  
4. Pulse small and a little Hard at first, unless  
we are sure it is the Vera or Sotta. It is a  
Very dangerous disorder and Requires Skill &  
attention to Effect a Cure. — to do this we must  
in the first place bleed, if Inflammatory action  
Prevails. the blood drawn in this disorder differs  
from that drawn in the Vera or Sotta, having  
a thin livid Pellicle which adheres to the sides  
of the bowl and below this we find a Cream of  
the Colour and Consistence of Malapex. It  
sometimes happens after this that Inflammatory  
Symptoms



144 Systems Occur again, in which Cases Bleeding should  
be Used 2.6 meters Especially in the Autumn.  
2. Purges. 4. Blisters & Warm Vapour inhaled  
6. Stimulating Substances, such as wine bark  
Volatiles &c. the bark is used with great success  
in Delirium & Maryland the danger of all  
these three states arises from the violence  
of the typhoid. Pneumonia terminates in three  
ways, by Resolution, Suppuration, or Gangrene  
Pneumonia Vera generally terminates in the 2<sup>nd</sup>  
way. There seems to be a great Connection in this  
with the Right Ear.

Catarrhs. This is an Inflammation of the mucous  
Membrane of the Nose. Fauces. and Bron-  
chia. Its Proximate cause Consists in an Excess  
of Action in the Vessels of these parts, its predis-  
posing cause is the Same as in Pneumonia  
but to a Greater degree, Contagion is the most



145  
Frequent Source of it. The Influenza is  
a disease of this kind. The cure consists, first  
in bleeding, 2. Vomits and Nauseating Medi-  
cines - 3. Low diet. 4. diluent drinks. -

Garrick used to cure it by Eating a Salt Herring  
which occasioned excessive drinking. and  
thereby effected a cure. - 5. demulcent drinks  
6. Pectorals. 7. Opiates. 8. Inhaling warm vapor.  
9. moderate Warmth. 10. Exercise. —

## Lecture 8.

Angina pectoris. - This depends upon predisposing  
debility. it is known by a Punctate pain  
and hard Pulse, it Occurs in the same sea-  
sons, and depends on the same Proximate  
Cause as other Inflammatory Fevers. There are  
three Species of this disease. 1. Inflammatory An-  
gina



116 *Angina 2. Angina Pharyngia. 3. Angina*  
*Tonsillaris.* - The first is an Inflammation of  
the Tonsils, and is Accompanied with a diffi-  
culty of Breathing, and Swallowing with an  
ulceration of the Tonsils. The tonsils are  
very much Swollen, which distinguishes it  
Sufficiently from the Ulcerous Sore Throat  
These Swellings Sometimes break - The Pha-  
ryngia is an Affection of the Lower part of  
the Fauces, Occasioning great difficulty of  
Swallowing, but not in Breathing. Cure.  
The Remedies in the first two consist in bleeding  
2. Purges of a Lenient nature, for the difficult  
Swallowing prevents the taking any others.  
3. Nitrates. 4. Neutral Salts Especially Nitri  
3. Hartshorn and Oil applied Externally,  
The use of this proves that tho' there is Excess  
of action in the System General, yet there is



debility in the parts. 6. Gargles gently 147  
Stimulating. 7. Blistering behind the  
Ears, and around the Throat. They gently  
Stimulate and Evacuate. To cold water  
proper, yes. It is used as a Gargle with ad-  
vantage, as is likewise Spirits in the beginning  
and close. If all these Remedies fail. the  
Operation for Bronchotomy must be per-  
formed. if the Tonfils are very much  
Swelled, they must be Opened. like Infla-  
matory diseases, they Sometimes Terminate  
in Suppuration - if Persons have this disease  
once, they are very liable to have it again  
Angina Parotidea. or Mumps. this is a  
Sore distressing disorder, and is frequently  
cur'd in the Suppurant Stage by warm  
Applications to the Throat. for its history  
See Cullen. This disease is Sometimes



(140) Translated to the Septicæ, and hence to the Brain. a Blister applied to the Septicæ will prevent a Translation to the Brain. and warm Applications to the Throat will prevent a Translation to the Septicæ, a Purgative or two is Generally Sufficient to cure the disorder. In the course of my Practice I have never known it prove fatal. —

## Rheumatism.

There are three States, or Stages of this disease  
The Rheumatismus, or acute Rheumatism,  
The Rheumatelgia, or Chronic, and Rheum-  
matulæ or an Intermediate State of action.  
This is oftener mistaken for the Chronic, than  
the acute. the pulse is Singular, the Patient  
Walks about - The Remedies for this disease



Are moderate bleeding, the blood drawn <sup>off</sup>  
in this disease is ~~dry~~, as in Consumption  
Cool air, but not cold, Nitri and the other  
antiphlogistics Remedies are proper.

Acute Rheumatism - it Effects the large  
joints, and Sometimes the muscles leading  
to them. I Shall deliver a few propositions.

1. It depends on predisposing debility.

2. It Effects the whole System, and arises  
first in those parts in which the circulation  
is most Languid, and when there is the  
most Action, J. E. joints.

3. It Generally takes place after Exertions  
of a hard Fatiguing nature, Walking &c  
It is a true Inflammatory fever, Sailors &  
Soldiers are most liable to it, the pulse is  
full and hard. The proximate cause is  
Cause of Irregular Action in the Arterial  
System, owing frequently to Some Existing



150 Cause as heat acting on the System after it has been debilitated by cold. The pain which Children Experience when Approaching the fire, after being Exposed to the cold, is an Inflammatory Rheumatism.

The Remedies for this disorder are 1. Copious Bleeding every other day. 2. Lenient Purges, on the Days You do not bleed 3. Nauseating medicines - Hillary recommends a Compound of Calomel, Opium, Nitri & Tartar Emetic, but Opium always Protrails on Acute Rheumatism. I have found great use from a composition, Nitri, ℥ij. Tartar Emetic ℥.v. Calomel ℥.xx doses of This is Supposed to be nearly the composition of Doctor James's Sweet powder. Low diet and cool air are Necessary. The patient must Sit up as much as Possible..



Blisters are very usefull, they Gently 151  
Stimulate and Evacuate, Nalaps and Cab  
bage Leaves prove Gently Stimulating and  
drawing, they are however calculated for  
the latter Stages of the disease.

To cold Water usefull - Horses are cured of the  
Founder by standing in water in Swamps  
- Now founder is analogous to Rheumatism  
This disease has different names, accor  
ding to the different parts it attacks, as  
Lumbago - Sciatica &c. this disease however  
is common in the Chronic Rheumatism  
Lumbago is distinguished from Nephritis  
by the Vomiting attending the latter.  
For Plethysis Pulmonalis I Refer you  
to my Second Volume of Essays



# Small-pox

This disease affects the whole System - it  
 Shows itself by pains in the Epigastri-  
 c Region, also in the back and Lumber Re-  
 gions accompanied with Eruptions - it  
 depends upon a Specific Contagion, there  
 are two States of Action. 1. The distinct or  
 Phlogistic - Second, the Attonic or Ty-  
 phoid. The first is known by Fever -  
 Hard and full pulse. The Eruptions Ge-  
 nerally appearing the 8. or 9th day. The  
 Second is accompanied with a low  
 Quick pulse, the fever continuing after  
 the Eruption which Generally takes  
 place on the 2 or 3 day. The pustules  
 are Black and the Sooner they break



But, the more danger is to be apprehended. its  
 Proximate cause consists in Excess or deficiency  
 of action from the Stimulus of the contagion  
 It classes with poisons and Wounds, in not  
 being produced by debility. Here we see an  
 Exception to our first proposition XIX. that all  
 General diseases depends upon Predisposing  
 debility. altho' it is much Effected by it. this  
 disease is not only divided into distinct and  
 confluent but into the Siliquous. Watery.  
 and Bloody, which Varieties occur in  
 both Species. the Fever sometimes assumes  
 an Intermittent Type. which favors the  
 Opinion that the Intermittent is the Original  
 Type. I shall throw out a few Enquiries  
 concerning this disease. 1. The disease is  
 propagated by contagion from the Breath  
 clothes &c. it is Remarkable that fire does  
 not destroy this contagion. The Chinese keep  
 it for Years. by keeping the dry Scabs in



(154) Bores. 2. It lies in the Body from 12 to 14 days before it Excites fear. 3. are there any means of Lessening or destroying the Contagion Yes. by large doses of Calomel and Emetics it is Weakned. In afflicta they destroy the disorder by Rubbing the Body with Pepper, and then Plunging into cold Water.

Of the Remedies in the first Stage of Action. All the Remedies mentioned in Inflammatory Fever are proper here. — Blisters. if Coma and delirium attend. Sitting up out of the Bed. This checks the Eruption and is usefull. In the delirium, cool Air, its action is Sedative. A Person in London Recovered from this disease. after having been Supposed to be dead. by a free Current of cool Air, on Opening the Windows of the Room cool diluting drinks. Opates are improper. Untill the Eruptions are complet. Secondary Fever — The danger arising



From this proceeds from an Affection of (155)  
the Lungs. From the Clamminess of the  
Mucous Secreted from the membrane of the  
Nose and Fauces. and from the Sudden  
Subsidence of the Swelling of the Throat  
and Feet - The Cure of the first consists  
in Bleeding. the blood in this case is Scurvy  
For the Second is to Evacuate the Mucus from  
the Fauces, this is done by a Puke of mercury  
and Squills to produce a Salivation. as  
Soon as the Eruption is complete. the more  
Painfull this is, the better. This is an important  
discovery. Also detergent Gargles, with Substances  
Gently Stimulating - for the Throat. gentle Purges  
Emollient Cataplasms to the Throat and feet -  
Blister and Opium. Opening the Pustules with  
a Needle. Changing the Linen daily after the  
Recovery from the Small Pox - One or two  
Gentle Purges are Proper to prevent the Ophthalmia



156) Ophthalmia and Abscesses which are apt to take place. - Off the confluent Smallpox. or Second Stage of Action - This may be Expected when Dysentery is common. The Remedies in this disease are all those Mentioned in Typhus fever. it is Sometimes Necessary to Bleed in the beginning once, or even twice. when Deficiency of Action Occurs. then wine, Bark Opium. and Stimulant Animal Food are Proper. Such as Beef-Steak-Horn and Such like. It is Remarkable that the Appetite is Seldom Impaired in this disease. Fresh Air but not Cold is proper. Cold drinks are improper. Inipient Macula or Livid Spots Sometimes occur. by Touching with Mercurial Acid Diluted with Water. They are most Easily dissipated. 3. Species - Cuticula which will not Prevent from taking the Real Small-Pox by Inoculation. however it will spread



Produce the Smallpox Variolifer and (157)  
Sydenham say there may be a fever without  
any Eruption. Children have been known  
to have the disease in the womb, and Never  
to take it after Birth. it is always a danger-  
ous disease in Pregnant Women. Owing to  
the inflammatory Action Prevailing in their  
System -

We will now make a few Observations. 1. A  
large Wound Prevents the contagion. 2. A Sharp  
Sancet must be Used for a dull one Saccrates  
the parts. and produces Inflammation. Sup-  
puration, and a discharge of the Variolous  
Matter. 3. If the first Inoculation fail of  
Producing it the Second will probably pro-  
duce it. 4 I have Seen a distinct Set of  
Pustules two Months after Recovery from  
the Small-pox. 5 Large Abscess on the  
Arms have proved fatal.



# Lecture 9<sup>th</sup>

Eruptive diseases -

Mercuries for an Account of this disease I Refer you to my Essays. *Angina Maligna* - This disease arises from Contagion. is Accompanied with a Weak Quick Pulse. and Generally with a Redness on the Skin, and Sloughs on the Mucous Membrane of the Tonsils. Its Characteristics are delirium, Inflamed Eyes and dyarrhea, flat Rattling Voice and Fetid. Breath. The dyarrhea is the most distinguishing Symptom, and does not Occur in the inflammatory, by its Occuring in the Autumn while the other prevails in the Spring. Children and Women are more Subject to it than Men and Adults. for a fuller Account of this disease I Refer



You to Fothergill. It rises frequently in the (159)  
Swamp, and is there called the Chikins Plague  
it is preceded by moist, wet and foggy Weather  
Generally warm. There is great pain in the  
Head accompanied with Eruptions in this  
disease. All cutaneous diseases, attended with  
fever, seem to Effect more or Less the Throat,  
or Lungs, and the more Malignant the fever  
is, the more they seem to Effect those parts. as  
we see in the Plague and Scurvy Fever. It  
Generally Terminates on the 3. 4. 6. 7 days. &  
the Recovery is Very Slow. death has even  
Occured after 6 Weeks. During this disease  
or Rather after the Recovery. the Hair and  
Nails Generally fall off. Sometimes it is  
accompanied with the Cynanche Trachealis  
The Cure Consists in. 1. Emetics, Turpeth Mine-  
ral is Recommended in Very Strong terms, but  
Calomel and Spessauanka are ~~Recommended~~  
~~In very Strong~~ Equally Serviceable, 2. Tonics



160 As Bark. at first it is to be Used in Infu-  
sion or Tincture. as the Throat is Generally  
too Sore to take it in Substance - port wine  
in Large Quantities. Snake Root, Cordial  
Aliments. Opium given at Night is Very  
Serviceable in Composing the Delirium. Blees-  
ters to the Throat and neck. they promote Ex-  
pulsions. Topical Applications, and Stimulating  
Gargles. Barley water, Vinegar and myrrh  
The Vapor of these may be communicated thro  
a Funnel to the Throat, Calomel may be  
Added with advantage to the Gargles, Avoid-  
ing all Irritations as foul Air &c.

Patients Should lie therefore in a Bed with  
out curtains, and have their Linen changed  
daily. The dysarchia must be Restrained  
with Opium, as it promotes perspiration  
and aids in Expelling the disease. If the  
Patient is copious. and Gentle Laxatives. If  
Inflammatory action prevails, then Blood



Calomel is very proper, it acts on the Throat <sup>Not</sup>  
as a detergent, and Stimulates the whole  
System, it ~~Should~~ be given with Opium  
to Prevent its Running off by the Bowels  
Pepper  $\frac{ij}{ij}$  Salt  $\frac{ij}{ij}$  Vinegar. ~~Not~~ has been  
used with great Success in the West-Indies  
in this disorder. In slow Convalescence, milk  
diet and Country Air are usefull. Flusson  
observes that all diseases are Tinctured with it  
when it appears. even the Smallpox was ac-  
companied with an Affection of the Throat.  
Scarlatina Anginosa. I think arises from Causes  
Specifically different from the foregoing disease  
it depends on Specific Contagion, and is a fever  
Partaking of a small degree of Inflammatory,  
Action, attended with a Scarlet Eruption  
Nausea and Vomitting and Sometimes Ulcers  
In the Throat, it differs from the disease above  
Mentioned by being not always attended



(162) with Ulcers in the Throat The Redness is more Intense and Somewhat more of the colour of a Boiled Lobster, a dry Skin and Lips red than the Efflorescence or Pustules, when as in the former the Skin is moist and of the same color as the Pimples, the Skin peels off in this disease and does not in the malignant Sore Throat, this disease is attended with less danger than the malignant and is distinguished by Subsequent Swellings, there are two Species of this disease - *Scarlatina Inflammatoria* and *Lymphatica*, I have known the first Species occur without Vomiting and the Skin peels off like an Inflated Glove. In 1793 it proved very fatal, Nausea and Vomiting are the most common Symptoms.

Cure. This consists in Purges, cooling Salts and Blisters, The disease is Sometimes confounded with *Angina Tonsillaris*, it differs



Thorn it in the Pulse which is full and hard 103  
or tense, in Scurvy in Season, and  
Effluence.

Cure, Emetics of Ipecacuanha and Calomel  
taken before or on the first day of the disorder  
is a certain Remedy. Whithurst in his Ex-  
cellent Treatise Recommends them highly  
and gives them Sometimes twice a day.  
Calomel Given in small doses with Opium  
to prevent its Rising off by the Bowels  
this acts first by detaching the Scurvy, and Se-  
condly it perhaps destroys the Virus of the  
disease as in the Venereal. Blisters, tho  
not much Recommended are Sometimes  
Proper, they should be applied behind the  
Ear, Goggles and Lomentations are very  
Proper, mild diaphoretics, the contraindica-  
tion is Recommended by Whithurst, the Subse-  
quent Swelling are to be Cured by Leeches  
and Calomel combined. Sometimes this



(164) disease is combined with cynanche ~~Pharyngea~~  
The Second species Requires Generally Lintis  
the Bark is Rarely necessary, and Opium  
is Improper. The fever is the Typhoid. the  
Itching on the Skin on the fifth day is a  
Favorable Sign. The Remedies for the  
Scarlatina Maligna, are the Same as for  
the Angina Maligna. Whithring thinks  
this disease affects but once, my Observations  
Contradict this assertion, for I have known  
it Effect two or three times. I shall here  
Hazard a few Conjectures, may not the  
Malignant Sore Throat and the Scarlatina  
Maligna be the Same Original disease  
Varied by time, Season, mode of living  
&c and may not the Same be Said of  
the Smallpox, Measles, Chicken-pox  
and also of the plague and Typhus for  
in these last we see the Same glandular



Swellings take place. there is one fact (165)  
which gives colour to this conjecture. all  
man kinds are defended from an Original  
State. Yet we see a great Variety in their  
Colours, appearance &c. Chicken Pox is dis-  
tinguished from the Smallpox by the Slight  
Inflammatory Fever, and the falling off  
the Scales in a few days. the Pustules are  
Seldom numerous. One pinge is Generally  
Sufficient for the Cure. it effects but  
once — Crassipelas — This is also called  
Morbus Scur. it Generally affects the face  
Sometimes the Limbs, and when it surrounds  
the Body it called Zone, or Shingles &c. it  
consists of Eruptions accompanied with  
Vesicles and Swellings, which frequently  
terminate in Abscesses. it is produced  
by Internal and external Stimuli. the  
Latter are Effused Humors Stagnating



166 Under the Skin - the former are extremes  
of Heat and Cold, certain Poisons such as  
the oil Cassia nut. the Effluvia of certain  
Plants. Particularly the Poisonous Vine,  
The bites of certain Animals, it also Occurs  
in Children after the Small-pox. I have  
Seen it prove fatal but once and that was  
in a Physician. It sometimes Terminates  
in Mortification. CUR- as it is chiefly  
Inflammatory. the Remedies are those most  
proper in a Phlogistic diathesis, as bleeding  
Purgings, as an External Application  
meat alone is proper, we must avoid the  
Oily and Stimulating ones. This is a dis-  
ease which often Returns after the first  
Attack. therefore the Occasional causes  
are to be avoided, The same Remedies  
are proper to cure Shingles, as for this  
disorder

Miliary Fever. This is a fever



of mixed diathesis is accompanied with 167  
Frequent Sighing, Sweating &c. for the  
Symptoms See Cullen - There are great con-  
troversies on this fever, but I think Cullen  
and Way have proved it to be Symptomatic  
The prickly Heat seems to be a disease allied  
to the miliary Fever, or a Species of it pro-  
duced by Sweating, and is an attendant of  
Angina Maligna. It attends fevers chiefly  
that are accompanied with great Waste of  
Strength, as the Puerperal fever &c. it is much  
less frequent since the Use of the cool Re-  
gimen, and since Midwifery has been in-  
troduced into Common Practice - The  
Cure consists in moderating or checking the  
Sweat, this is done by Lying with the  
Arms out of Bed. or Lying between  
Blankets or Flannels - if it assumes a  
Typhus Appearance, it is to be Treated as



(168) A Typhus fever, See Cullen on Such other  
diseases. — We now come to consider In  
flammation of Particular parts Primarily  
and of the whole System Secondly.

These Inflammations are External, and Internal  
The former are Phlogistic and Ophthalmica.

The latter are, Nephritis. Gastritis. Phrenitis.

&c. These all terminate in Resolution —  
Suppuration. or Gangrene. the Proximate

cause is the same as of Inflammation in  
General. Vrs. Previous debility. and then  
Excess of Action, we have much to Learn  
and untarn on this Subject — Phrenitis

Consists in Watchfulness. delirium &c.  
it is both Idiopathic and Symptomatic. the  
Remote cause of the first are Violent Pass  
ions of the mind which are Stimulating.  
Contusion. This is the most frequent cause  
of inflammation of the Brain. Greater —



degrees of which produce Coma, Idiotism 169  
Epoplexy, and death. the more moderate  
produce Phrenitis only. Van Swieten relates  
a case of Phrenitis occasioned by a Brick  
falling upon a Persons head. but the dis-  
ease occurred long after the Hurt, it is not  
Necessary that the Contusion be made upon  
the head. for I knew a Soldier who fell from  
the Roof of a House, and Struck on his feet  
who nevertheless had an Epoplexy from it  
It frequently Terminates in Typhoid or Typhus  
Mittis. The cure consists in copious bleed-  
ing. Purging, an Emet. Potiue, Cold Appli-  
cations to the Head. Blisters to the Head which  
Ought first to be Shaved. or to the Neck.  
It is Sometimes complicated with Mania-  
Symptomatic Phrenitis. This arises from the  
morrhages. Pneumonia. Small-pox. measles  
----- The cure is the Same as in the  
Idiopathic. it is Remarkable that Opium is  
Improper in both Species.



# Lecture 10.

Hepatitis - This is divided into acute and chronic - the first Species is known by great tension and pain in the Region of the Liver, the pain Sometimes extends to the clavicle and Shoulder it is Sometimes Oblique - there is Generally difficulty in lying on the left Side. Attended with Dyspnoea - dry cough - Fluorish &c Hippocrates Mentions as a Symptom a Bleeding from the Right Nostril. This I have never observed but I have frequently taken notice that there was a coldness of the Nose. A patient of mine complained of great pain in the Back and Head, particularly the latter. They were cured by bleeding. - Doctor Gualdstone says he has known a pain in the left Shoulder, when the left Lobe was affected.

Chronic - In this all the Symptoms are the



Same as in the former, except that they are (171)  
in an Inferior degree. a Sense of fullness and  
Heaviness of the Right Side. with a yellow  
Colour of the Eyes often Occurs. Dr. Gridlesone  
Says he never Saw Persons affected with this  
disease under Puberty. In 1789 in the dispen  
sary of Philadelphia. there were 108 Pneum  
onias, and but 4 Hepatitides - if it does not  
Arise from Heat and Cold, what are its causes.

1. The Liver we know is far Removed from the  
Course of the Circulation, and Therefore very  
liable to Obstructions, which take place Espe  
cially after Intermittent fevers. great Grief.  
hard drinking. Gluttony &c.

2. Colics. they are accompanied with Vomiting  
Sometimes and Sometimes diarrhoea. Cold  
Water Produces the disease by means of the  
Colic. - From a continuation of the Inflama  
tion from Hepatitis. 4. Violent Passions and



(172) Emotions of the mind. anger has great Influence on the Liver. The passions in Italy are strong owing to the Scurvy and Stoth that Exist there. hence they are very subject to diseases of the Liver. it is an old adage turn it fear. mor. gagni mentions many Instances of the effects of this Passion on the Liver. 5. Violent heat 6. Gallstones. Worms Sometimes Irritate the Liver likewise. Viscid Bile by Obstructing the ducts. Herberden mentions that fevers in these cases were of the Intermittent Type chiefly. & I have seen it Exist three Years in the form of a Tertian. 7. Contusions & Wounds of the Liver. D. Lister mentions its having been occasioned by Wounds of the Head. 8. Remitting fevers in the fall. here however it is only Symptomatic. 9. Fast. 10 the intemperance of ardent Spirits. to these Giddleton adds violent Exercise. Grief, Reflection, after long fasting, all these according to their degree



Produce, either acute or Chronic Hepatitis. (173)

The cure consists. 1. in Bleeding. I bled Mr. Maught fourteen times in Hepatitis in the space of 14 days. 2 Purgs. 3. Glysters and Emetic purgations. if diarrhea attends Senna should be given. 4. Blisters. 5. mercury after the system has been evacuated and Inflammatory action subdued.

Calomel is the most proper form of giving Mercury by Stimulating and Increasing the circulation. Lind says it should not be given till Blood has been drawn.

Gangrene takes place on the 3-5. or 9. day, but the disease most frequently ends in Suppuration which is known by Chills and a Cessation of pain. The matter discharged is not always pus, it is sometimes Green or Fetidous. It may be discharged in five different ways. 1. By the Biliary ducts into the duodenum - whence it is evacuated by Vomiting and Purgings. the matter often collects



174 and discharges itself 4 or 5 times called the  
Hepatic Fluid. I have seen it collect and discharge  
for Eighteen months. one Lady whom I attended  
in this disorder, always complained of a Sore-  
ness of her Right Thigh and Leg. and we ge-  
nerally find the pulso fuller, with a great  
Weakness and Inability to walk.

2. It discharges itself through the diaphragm  
into the Lungs, and is thrown up by Expec-  
toration. 3. It is discharged into the cavity  
of the Thorax. 4. into the cavity of the Abdo-  
men which always proves fatal.

5. It discharges itself externally. The termination  
of it this way is not so common as formerly.  
when the abscess is ripe, it must be opened by  
an Operation. Boerhaave mentions a Sixth  
mode of its discharging itself. by Effusion into  
the blood and Scirrhus. pain frequently  
continues in the Liver, after the cure is



Complete. The cure of this is effected by Rubbing 175  
Mercurial Ointment on the Side. the disease is  
both Idiopathic and Symptomatic. the former  
arises from Local Injuries which have been  
already mentioned. — The latter when the whole  
System is Affected. the best Writer I can re-  
commend on this disease, as it appears in warm  
Climates is Doctor Gualdesond.

Gastritis. — Or inflammation of the Stomach. this  
is a fever accompanied with a Slender and tense  
pulse. Vomiting and pain in the Epigastric  
Region with Hicough. It arises from Acids mat-  
ters producing Inflammation in the Stomach —  
according to Cullen there are two Species. One  
Situated in the Nervous. the other in the viscus  
Coat. The Causes producing it are Poisons of all  
kinds. Cold Water has produced this disorder.  
all acids Matters producing fever by acting  
on the Stomach, The cure consists in moderate  
Bleeding. demulcent drinks. Avoiding Irrita-  
tion of all kinds. —



176 Blisters applied to the Stomach and warm  
Fomentations. Avoiding Heating aliment &c.  
Enteritis. Or Inflammation of the Bowels.

This is a fever attended with a slender and  
tense pulse, with pungent pains about the  
Stomach or Navel, accompanied with Vomiting  
and Obstinate Costiveness. The Causes and Cure  
are the same as in the foregoing diseases. but  
with the addition of Cold water, it has been pro-  
duced by dysentery. For Splenitis See Cullen.  
Nephritis. — This consists in great pain in  
the Region of the Kidneys — accompanied  
with Retraction of the Testicles and Stupor  
of the affected Side. Cholici is the most frequent  
Symptom of this disease. The Remote causes  
are General and Local, hence it divides very  
properly into Idiopathic and Symptomatic.  
The Local Causes are Acid Substances peculi-  
arly affecting the Kidneys — as Spanish-flies  
and confusion from falls, the General Causes



are hard Riding. - The cure consists in (149)  
Bleeding. a Recumbent posture. Opium after  
the inflammatory action is subdued, and cold  
Water. -

Cystitis - or Inflammation of the Bladder.  
accompanied with Tenderness and fever. See  
Cullen - I have seen it accompanied with  
complete Ischuria. In one case I saw a  
great quantity of Mucus discharged from  
the Neck of the Bladder. The functions of  
the Brain remain unimpaired. the appetite  
good. and the person Remains perfectly well  
except in this particular which seldom keeps  
him from his Business. The Remote causes  
are Acid Substances taken inwardly or in-  
jected by the Ureters. I saw two cases by In-  
jecting Saccharum Saturni up the Ureters.  
The cure consists in Bleeding. in one case I  
bled six times. Doctor Bond Says there is  
no disease that will bear bleeding better than



178 This, or in which the Blood is more Sisy -

2. Gentle Evacuants. 3 demulcent drinks, -

4. Cold Water to the Præpuce. 5. drawing  
off the water with the Catheter. 6. Opium.

7. I have known Several times when every  
other Remedy had failed, the patient Recover  
by taking a strong dose of Jalap.

Odontalgia, or pain in the Teeth, this appears  
to be an Inflammatory disease. from occurring  
in Seasons when Inflammatory diseases prevail  
Because there are Arteries in the Teeth. because  
the Tooth is generally Sound the first time it  
begins to ache - Because it occurs in climates  
most Subject to Inflammatory complaints. and  
Seldom in Uniformly hot or cold Climates.

Such as Russia, Canada. and the West-Indies  
It is therefore produced by the alternate action of  
hot and cold drinks. The Inhabitants of S. Kitts  
are the only People of the West Indies Subject to  
this disease. for they are the only People who



drink cold water alone. it occurs in the In (179)  
flammatory Stage of Life. Here then Rests  
the cause of its being an Inflammatory disease  
and that the pain and distressing symptoms  
are the consequence of this inflammation.

I Repeat the General opinion. that Sugar is one  
cause of the disease and decay of Teeth; for  
the West-Indians who eat a great deal of Sugar  
have Remarkable fine teeth, and are free  
from Toothache. The inflammatory Toothache  
Generally attacks those who are under 36 years  
of age. and Extends Sometimes to the Parotids.  
It is somewhat Peculiar in its Recurrence, for  
it Sometimes affects the Same teeth, on the  
Opposite Side. Then it is called Symptomatic  
Toothache. The common Remedy for this  
disease is Extraction. but as this is not always  
Practicable, and Sometimes dangerous, we must  
have Recourse to bleeding in the Gums.



(100) *Pungus*. Blisters behind the ears - drawing  
Applications - Opium has been Applied Exter-  
nally and Internally and often with advan-  
tage. It Sometimes happens that the Infla-  
mation Terminates in the Jaw forming a  
Gum Boil. There are three Remedies for a  
bad Toothache destroying the Nerve, Stopping  
The tooth up with gold Leaf, and Extraction.  
Extracting the first Tooth that aches frequently  
prevents the disease ever afterwards, and this  
is the only Radical Remedy, by way of pre-  
venting Toothache, Sleeping with a Nightcap,  
avoiding the Application of cold. washing them every  
Morning with cold water, Removing the crust  
from the bottom of the Teeth, washing them often  
before and after Meals, and before going to Bed -  
The Chronic Odontalgia Requires a different  
Treatment from the Acute, there is a pain in  
the Jaw described by doctor Fothergill which is



Very often Mistaken for the Chronic Toothache 181

## Lecture 11<sup>th</sup>

Otdalgia or Ear-ache. Children are very Subject to this. it consists of Very acute pain in the Ear. It is cured by Purging, if the whole System is Affected, but if it is only a local Complaint, it is cured by Receiving the Vapor of Burnt Sugar into the Ear. our Indians Cure it by dropping a few drops of the Sap of Hickory into the Ear

Hemorrhoids. This disease is described by Cullen among the Hemorrhages, but improperly - it is an Original Local affection. Women are more Subject



102 So it than Men, it consists in a pain in the  
Loins, and Extremity of the Rectum. The  
Piles are divided into External and Internal  
also into blind and Bleeding. The Internal  
is Swelling about the inside of the Rectum  
The External is a Tumefaction about the Anus  
The blind is when the Swelling discharges no  
Blood. The Remote causes are, Costiveness,  
Violent Pinging. Particularly Abus. hard  
Riding. walking or long Standing. - a  
Sedentary life by producing costiveness. hence  
Women are more Subject to it than Men.  
The predisposing cause is debility, the Proximate  
cause is too much Action in the Hemorrhoidal  
Vessels and consequently tension. - The Cure is  
Effected by bleeding when Giddiness attends  
or the Pulse is tense.

Bloodletting is divided into General and Local  
The Local may be performed by Leeches or the



Sanct. This should be employed when 103  
Great tension is Perceptible in the Swelling.  
I have often in this case given great relief only  
by discharging 4 or 5 Gutt. of Blood.

2. Lenient Purgis especially Sulphur, this  
is supposed by many to possess a Specific  
Action on the Hemorrhoids. tho' in my opinion  
it acts only as a mild Purgative. The Butter  
nut pill is much Recommended. the Habitual  
Use of this pill, however Induces bad Effects  
from its Sedative power, even palsy has  
arisen from its use. Altho' Costiveness brings  
on the disease. it is attended with diarrhoea  
Sometimes and Apoplexy.

3. A Horizontal position; for this purpose, a  
person should be kept in bed. & the Applic-  
ation of Sedatives especially Cold water, this if  
Applied early prevents the formation of the disease  
the Smoak of burnt leather, this perhaps <sup>acts</sup> by  
inducing indirect Debility. Stramonium <sup>is</sup> this



1844 is used by the Indians to Cure the Redach  
it is Sedative, this I infer from it having  
produced a Syncope on being Applied to a Carbo.  
it is to be Applied in form of an Ointment & the  
following Ointment in the Close of the Disorder  
is ~~very~~ Serviceable. Sugar of Lead Opium &  
Galls finely powdered aa  $\mathfrak{z}\mathfrak{i}$  and of the Steama-  
-nium Ointment  $\mathfrak{z}\mathfrak{ss}$ , 5 Loco dist; After the  
inflammation has been gone there will frequently  
remain a Swelling which is very painful  
on on Account of the debility, the Indians  
cure by the Application of a Tobacco Puff  
this disease is prevented by avoiding all remote  
Causes especially Costiveness, the Piles some-  
times Terminates in Suppuration which  
generally produces Fistulas we compare now  
to the external inflammations the first is,  
Ophthalmia it consists of a redness and pain  
in the Eyes accompanied with a plentiful  
flow of tears & a great aversion to light. it



It is Seated in the Tunica Adnata of the (185)  
Eye, Cullen divides it into the Idiopathic  
and Symptomatic. The first he calls Ophthalmia  
membranacea, and is Seated in the  
Adnata. The Second he calls Ophthalmia  
Tonsi and is Seated in the Tonsus. The  
Idiopathic is an Original affection of the  
Eyes themselves. The Symptomatic is when  
The Eyes are brought into Sympathy by the  
Rest of the Body. The Remote causes are,  
External Violence. Bloos. Particles of dust  
The Hairs of the Palpebra becoming Inverted  
The Effluvia of Pivers

2. Light in Excess as from a Vivid fire.
3. Heat and moisture combined. hence cooks  
are very Subject to Ophthalmia.
4. Viewing Viewing very Minute Objects.
5. Too Stimulating diet, frequent intoxication
6. Acid matters of any kind. 7. Sympathy



186 With other parts of the Body. P. Universal  
determination of blood to the head. Ophthalmia  
are so common at Grand Cairo, that Volney  
says out of 100. Persons whom he met 20  
were blind 20. blind of one Eye. and 20 had  
Affections of the Eyes. at S. it is very common  
from small particles of the Sea-Shell  
with which they have their Streets flying  
into the Eyes. we shall now speak of the  
Remedies proper in all Species - and then  
of the Proper Remedies in each particular  
Species. 1. Bleeding if the whole Sys-  
tem is affected - If not Leeches, Cupping,  
and Scarification of the *Temica Adnata*,  
Blisters behind the Ear of the affected  
Side. 2. Topical Applications according  
to the State of the System, by which  
I mean excess or deficiency of Action, if  
the Action is Excessive Cold Water



2. Lead Water, this may be applied 187  
with most advantage on a Pustule of  
Bread and milk - when the action is  
defective.

3. direct Applications of Stimulating Me-  
talli Substances as Solution of white  
Vitriol and Sugar of Lead. Veg. Soncis as  
Purvison Bark, and white Oak Bark.  
Opium Madeira Wine and Brandy, Salt  
and Water, all these have been used with  
Advantage when Inflammatory Action is  
Subdued. Sometimes an acid matter  
discharges from the Eye and keeps up  
Irritation. This is to be cured by demulcent  
Mistures - Quince seed bruised and Infused  
in Water is almost Infallible. Sapis  
Calimani's finely powdered and made into  
an Ointment is very Serviceable.

5. Avoiding all Irritation from light



188 By Sitting with the Back to it, wearing  
Green Silk <sup>papers</sup> to the Eyes. Avoiding Spirituous  
Liquors. the Eyes become frequently fatigued  
from Suspension, in Reading no Book  
Should frequently be Placed above the Eyes  
in which Case the muscles are not so  
much Exercised.

C. If the ophthalmia arises from Acid  
Particles, or Foreign matters, as Iron, Sand,  
dust &c, they must be Removed. Particles  
of Iron not only get between the Eye and  
Lids - but sometimes Infiltrate into  
the Coats of the Eye, in which case they  
must be Removed with a needle.  
Sand and dust are to be Removed by  
an Eyestone - or a Basin of cold water,  
If from Inverted Hairs - these must be  
pulled out, if from General Weakness  
we must use Bark and Opium. if from



diseases of the parts, as Scrophula. these (189)  
diseases must be cured first. - If from a  
Morbide determination of blood to the Eyes,  
Issues and Setons are usefull.

## Phlogosis.

This consists in great Redness, heat, pain and  
Swelling. it is of two kinds. Phlegmon and  
Erythema. The first extends to the cellular  
Membrane, and is capable of Suppuration;  
The Second extends only to the Mucous  
Mucosum, and does not admit of Suppu-  
ration, and Varies in form and Situ-  
ation. It is accompanied with pain  
and Burning, and frequently brings  
the whole System into Sympathy  
with it. —

The cure. — 1. Bleeding 2. External



190 Applications as cold air, and cold Water, Oil  
may be applied to allay the pain arising from tension,  
Poultices act in the same manner.

Plegmon may Terminate in Resolution. Sup-  
puration, or Gangrene and Spaculus, if we fail  
in our attempts to Resolve it, we must Stimulate  
it by Heating and Emollient Cataplasms, if they fail,  
The Lye poultice will be found Serviceable. This is  
made by taking half a pint of beer - half that Quantity  
of Lye, and a Sufficiency of Flowers to make it of a  
proper Consistence - Opium and Camphor have  
been Recommended when the Plegmon has been  
brought to Suppurate - it may be opened by the lancet  
directly, or by a Poultice composed of Honey and  
Flour - If Gangrene has taken place - The Remedies  
are Scarification, which I believe of great Consequence  
though it is denied by M<sup>r</sup>. Bill.

2. Stimulant applications, Such as poultices of the  
Fermenting kind. a very good one of this kind



Consists of Flour and water, Yest. and molasses. (195)

3. Bark- this however is improper if there Remains any Phlogistic diathesis - In the Gangrene of the Loos of Old People, Pott Recommends Opium and has given an Excellent description of this disease. if the whole System is affected with debility Bark, Mine, and Opium are very proper Remedies.

Spautation is a higher degree of Gangrene - I have thus Treated on the General principles of Inflammation for a particular account of each disease. I Refer you to practical Writers.

Paronychia, This is an Inflammation of the Periosteum of the fingers. The cure Consists in Holding the finger in Boiling Water, or Vinegar. Laying Open the finger, or taking off the Joint.

Anthrax. This Occurs in all parts of the Body, especially in the back. and consists of a tumor having many Openings. like a Honey.



192 Comb. but discharging only a little. The Remedy consists first in applying Poultices. if there is no Inflammatory Action, Bark may be given, And the cure complicated by dressing the Sore with detergent Ointments.

Burns. If General Inflammation attends, bleeding may be used. Topical Applications are however Necessary, and should be of a composing Nature - as Solution of Saccharum Saturni; Cold Water, &c.

2. Burn, and holding the part to the fire, these are Very painful, and seem to act by Inducing Indirect debility.

3. Sedative Ointments, composed of Stramonium And the preparations of Copper and Lead - Inflammation from cold, Excess of Cold from its Stimulating Effects is apt to produce Gangrene, there is Great pain when the part is near the fire, Owing to the Increased Excitability. So that a -



Moderate heat produces a great Stimulus— (193)  
If the limb is frozen we must begin by apply-  
ing powdered Ice, or Very Cold Water. which will  
even Appear warm to the frozen part. Afterwards  
Very Gentle Frictions. If Gangrene is produced  
The Remedies proper for it must be Used.

## Lecture 12—

Hemorrhages. I Shall begin with a  
few General propositions.

1. Hemorrhages may arise from Several  
different Causes. as first. a desire of Relief  
by Nature, when the System is Plethoric.  
And this System Plethora may take place from  
Several Causes.

2. The Balance between the Solids being Disturbed  
owing to the difference between Ingesta & Excreta



3<sup>d</sup> by peculiar circumstances of growth or a  
 cessation from growth too Rapid growth - local  
 weakness, or a bad Confirmation of the heart -

4. a too great Determination of blood to any  
 particular part. hence either the Arterial part or  
 venous hemorrhages occurs according to the facility  
 with which either of them breaks. the former  
 generally takes place before the 30 years, the latter  
 afterwards. the arterial hemorrhages generally  
 takes place in the nose and lungs. Sometimes from  
 the uterus the venous from the hemorrhoidal  
 Vessels Vena Portarum & Brain - they are  
 both combined in the hemorrhages from the  
 uterus. - A Hall divides the hemorrhages  
 into active and passive, the first arising from  
 excess, the latter from Venous Plethora.  
 the Predisposing cause is debility, which occurs  
 in every part of the body, but Principally  
 on the External Surfaces hence the greater  
 Frequency of hemorrhages from the nose &  
 lungs. I have hitherto<sup>to</sup> all<sup>a</sup> these a part of the External



105

Surface of the body - this debility produces congestion  
& irritability and consequently excessive action  
Effusion of blood may take place from a rupture  
of blood vessels which are too lax. it is the same  
Debility that takes place in Pneumonia only to  
a greater degree - a Scaly Inflammatory Diseases  
wanting - I shall endeavour to form one beginning  
with the acute diseases. 1 Pneumonia Vera -  
2 Pneumonia Notha - 3 Catarrh 4 Pneumonicula  
cruenta Hemoptisis this is Produced by a Degree  
of the same causes that Produce Consumption  
it consists in an External Effusion of blood  
answering to the Effusion in Apoplexy, the  
remote causes are sudden Vicissitudes of heat  
and Cold, Sudden Diminution of the weight  
of the atmosphere, but this has not so great  
an Effect as is generally supposed - III<sup>r</sup>  
Blanchard notwithstanding his numerous  
Affections never had a hemorrhage from his  
lungs - 3 any thing increasing the circulation  
as



196 Lifting heavy weights - Violent exercise  
Violent exercises of the mind, Joy has a Particular  
Effect upon the lungs, as anger on the liver -  
4 Exercise or exertions of a Particular part  
of the body 5 Cold applied to any part of the  
body Determining the blood to some other  
as Cold feet sometimes determin't to the lungs -  
6 great heat and Oppression from the Clothes -  
7 determination to a particular Vessel from habit  
8 annuul Magnetism to illustrate all these causes  
I refer to Cullen - I here ask whether hemorrhages  
are a salutary discharge - I infer no - tho they may  
Sometimes may be advantageous at the end of a  
Disease - Nature is not to be trusted for some-  
times She does too much - at other too little -  
blood letting is much Superior - for the time  
and Quantity are Completely under our Command  
I shall now Proceed to general Remedies -  
1 In general Inflammatory action Bleeding  
is necessary - 2 Cold Applications of air & Water  
their



their efficacy proves the truth of our Proximate Causes  
Plenient Purges & Alum & Nitre Dege-  
talis has been used with advantage - Also Opium,  
Blisters & Common Salt during hemorrhages.

& Milk diet are proper. Hemopties this is a disease  
of the Arterial System accompanied with a redness  
of the Cheeks, a small Cough and a discharge of Fluid  
blood from the lung - it is distinguished from a  
hemorrhage from the Fauces, by the blood being  
brought up by Coughing, & Frequently in the Fauces  
we may be able to see the extremity of the colluding  
Vessels, and the blood is Brought up by Hawking  
it is distinguished from Hematemesis, or Vomiting  
of blood by the Blood in the latter case being  
black and Gummy, whereas that from the Lung  
is Florid and Fluid, it Takes place principally  
in the night When the System is in a passive  
State, in which time the Hematemesis rarely  
occurs, The lung partake of the predisposing  
activity, this disease seldom occurs in Those who  
are



198 are their lungs moderately, as lawyers  
Public Criers - Watchmen - Paupers &c  
Singing gently has been of use to those affected  
with Weakness of The Breast. Clergymen, how-  
ever are Subject to this disease, it seems to be  
owing to the alternate action of heat and Cold  
upon their Bodies and to a Presumptive  
dependance upon Providence after what  
whitfoild calls a Pulpit Sweet. -

Cure - The Indicatives are 1. to lessen the Excess  
of action in the System 2. to lessen Congestion  
in the lungs 3. to remove the debility from the  
whole System The Remedies are Bleeding  
and other Antiphlogistics Cold liquors Applied  
to The Body particularly to the Scrotum by  
means of means of a Napkin D<sup>r</sup>. Bonds cured  
to cure himself by wrapping around him a  
Sheet wet in Vinegar - Cold air is less Proper,  
from This there is less action in the Lungs  
Than in any other parts of the Arterial System



3. acids, Vinegar and Rosellaf-Sea. 4. gallum and. Nitri. 5. Vegetable diet. 6. Rest these are all proper to Remove the debility of the Lungs, Salt is only a palliative, when the disease arises from the whole System being affected, from Tubercles, after the System has been Reduced, we may give Opium - Henbane Seed does not bind like Opium and is therefore much Recommended.

3 British-Oil. 4 Blisters, these act by discharging the Serum, and thereby obviating the congestion. 5. Generous diet - To Remove the debility of the whole System, we must use all those Remedies that are Employed in the mild Stage of Phthisis, after the Inflammatory Action has been Reduced - long Journeys are particularly useful here - Otherwise the disease is very apt to Return. This however is to be prevented by Moderate bleeding, after the Reduction of the System - we have the authority of Hans Sloan to use the bark, who Employed it for the Hemoptesis for 15 years



200 I have found advantage from it, but it is  
Very Improper in Active Hemorrhagies, and it  
is owing to these different Species, that there has  
arisen so many different Opinions Respecting  
the use of the Bark

*Ophthalmia*. This consists in an Effusion of blood  
from the Nostrils, accompanied with pain and  
Redness of the face, which takes place frequently  
in youth - It frequently comes on from a Heat.  
Sometimes Spontaneously, and from Anger.

Mr Bruce mentions that his nose bled in a  
violent fit of Anger. The Remedies are—

1. Bleeding - if the whole System sympathizes
2. Scurious Purges - 3. Cold Water applied to  
the Neck and Scrotum - to Obviate the Re-  
turn we must use low diet, Avoid Intense  
Study - Light and Sigatures, and keep the  
Belly loose - Common Salt I think is pro-  
per in this disease.



# Hæmorrhagia Uterina 201

This consists of a mild action, and will come in better under the Head of female Complaints.

Hæm<sup>temper-</sup>atæsis. Is a vomiting of Blood; it is produced by Sickness, or fullness of the stomach, and is generally a Passive Hemorrhagy. It consists in voiding black and ferrous blood. which is most probably the Atria Biles of the Antients, the colour is owing to the Blood having Stagnated.

The Remote causes are Acrid Substances taken Into the Stomach. Violent Pains. concussions. Great debility from hard drinking. Obstructions of the Nerves. of the Liver. of the Spleen. of the Bleeding piles &c.

The Cure consists in Bleeding, if the Pulse be full and Tense. but it is generally ~~full~~ <sup>lax</sup> & Loose Quik in which case Liquida Laudanum Spirit of Turpentine, common Salt is proper. This disease is Very Apt to Return and prove fatal. Hemorrhages from deficiency of action.



202 come now to be considered. these are the San-  
guiferous fluxes as 1. Hemorrhoids cruenta or  
Bleeding Pills. in this disease first Laudanum  
is proper. 2. Glysters composed of Bark. 3. Cordials  
drinks. 4. Exercise this disease is Sometimes brought  
on by hard Riding. Doctor Sympson says the  
Inhabitants of are very Subject to this dis-  
ease and that it prevents the Itch and Sc  
Uprosy to which they are otherwise Exposed.  
Hematuria or bloody Urine. Arises Sometimes  
from the Kidneys, and Sometimes from the  
Bladder, it is brought on Sometimes by the  
Use of Cantharides, and Sometimes by hard  
Riding, Calculus &c. The Cure demands low  
diet and Glysters I have known common Salt  
once cure it. Hemorrhagy from Wounds cold  
dry lint, and flour with compression on  
the Large Vessels will Stop it. The worst  
Hemorrhagy of this kind I ever Saw was from  
a loose tooth, to Stop which compression  
for three days were Necessary, a corn is very



Necessary and Usefull on Such Occasions (203)

Melena This is a Hemorrhage from the  
Liver and Bowels and mostly proves fatal  
The Remedies are those mentioned Above for  
the cure of Passive Hemorrhagy. There is  
One Species of Hemorrhagy which I do not  
find described by any Author. In which  
the Smallest wounds Occasions the greatest dis-  
charge of blood, and sometimes death. I have  
Seen Several Persons Subject to it.

Two Persons Brothers of the Patient mentioned  
Under the Hemorrhagy from the Toothache  
died of small wounds they had Received, by  
the loss of blood. An Uncle of Doctor Withers  
is likewise Subject to it. Mr. Pardee informed  
me of a family in Maryland of Six Children  
four of whom died of slight wounds, one bled  
to death from a Bruise of one of his finger  
Nails occasioned by a fall, and what is Re-  
markable a Sister of these is not Subject to  
this disease. I would Recommend in this disease  
Baths &c. frequent continued use of the cold Bath.



## Lecture 13.

Gout, This is an Intermediate disease between the Nervous and Febrile. It affects particularly the joints of the Lower Extremities. it is Hereditary. I divide the disease into the Tonic or Inflammatory, and the Atonic or Asthenic.

The Inflammatory is an Affection of the joints accompanied with fever, and hard pulse, it sometimes also affects the Brain, Lungs - Throat - Bowels &c. Cullen confines it erroneously to the Limbs - and calls it the Wandering Gout when it attacks other parts. The Atonic Gout is accompanied with little or no fever, and little pain. The predisposing cause is debility. The proximate cause is an Excess or deficiency of action, or a mixture of both. The degree of the Causes, and the constitution of the Patient. Influence its Violence greatly.



# Rheumatism.

Is nothing but Gout in a Vigorous constitution,  
 The Rheumatism affects the Extremes. the Gout  
 the Internal parts also. Rheumatism is Occa-  
 sioned by External causes. Gout by Internal use  
 of Liquors as Wine. The countries where Acid  
 Spirits and Wine is forbid. Gout is Unknown,  
 The Soldiers in our Army were Subject to Rheu-  
 matism. The Officers only to Gout. the Gout ge-  
 nerally takes place in Choleric and Sanguine,  
 Temperaments about the age of 35 unless it is  
 Hereditary, and then it comes on at an Earlier  
 Period. I once knew it commence at the age of  
 Thirteen. Men of Genius are most Subject to it,  
 Women are more Seldom affected with it than  
 Men. It sometimes passes to the Second Gene-  
 ration without affecting the first.  
 Doctor Blackmore compares it to a River in  
 Africa, which Runs through a vast Extent of



Counting, then disappears in the Sand, and  
then rises again in some distant part.

The *asthenic Gout* appears in every part of the  
Body, with Shooting pains in the Loos Knees &c

It Sometimes appears in Swelling of the lower  
Extremities without pain. Called the dumb Gout.

It Effects the Stomach with Nausea, Vomiting,  
and *Gastrodynia* and the Bowels with diarrhea  
which sometimes continues for many Years.

It Effects the Lungs producing *Asthma*  
*Pneumonia* - *dyspnea* and *hemorrh* - the Throat  
producing *Angina*. The Salivary Glands pro  
ducing a *Salivation*. The Liver producing an  
Increased Secretion of Bile and Obstructions,  
The Brain producing *Vertigo*, *Headach*, *delirium*,  
*Salicy*, *Apoplexy*. The Orbits of the Eyes produ  
cing concomitant pain and Effusion of Red  
Blood. It Effects the External Muscles of the  
Neck and Head, Back and Breast. It some  
times affects the Glands inducing *Scrophula*  
The neck of the Bladder with *Spasm*, —



It frequently attacks Cartilaginous parts of the 207  
Ear with Pain and Inflammation. It produces Effu-  
sion, and the Absorbents failing to take it up, it  
is at Length is concreted into Chalkstones, which  
at times Sacrate the Skin, they are found Upon  
the Ligaments and Tendons, and have even been  
thrown up from the Lungs no part of the body,  
not even the Smallest muscular Fibre is Exempt  
from the attacks of this disease. It counteracts all  
other Chronic diseases. The Stone. Dropsy. Melan-  
choly &c The Tonic does not always precede the  
Atonic. the former however Remains commonly  
till the 40 Year of Age, and then gives place to  
the Atonic.

I have known distilled Spirits to produce the Gout,  
but it was Accompanied with great Excess. it  
does not, however, produce it so frequently as Wine,  
the Gout generally proves fatal before 50, if it com-  
mences as Early as 25. The absence of a Regular  
fit of the Gout at the ~~time~~ Regular time of its  
appearing is much to be dreaded. In every fever



200 of Gouty Persons, my Symptoms of the Gout  
Blind themselves. — This disease is curable,  
And the cure consists in carefully ~~avoiding~~ Obsu-  
ring Temperance, and avoiding all the Remote  
Causes of the disease, But if a belief & fear of fu-  
ture punishment can not Refrain men from the  
Gratifications of their Appetites. It is not probable  
that they will forsake the joys of the Table and  
Bowl to Shun a fit of the Gout, Exercise is a very  
Usefull part in the cure of the Gout, It must be  
Moderate, Constant and continued for many  
Years. This must be Used in the Tonic Gout  
or in the Atonic if it comes on before the middle  
of Life. Notwithstanding Patients will not  
follow our directions for a Radical Cure, we  
Ought not to desert them. we have it Still in our  
Power to moderate the Violence of fits by Pal-  
liative means — Cure of Tonic Gout, the  
Precursors are, a dryness of the feet, a want or  
Excess of Appetite, Sickness of the Stomach, when  
these Symptoms appear, a few drops of Sassa-  
parilla



num or a Bottle Madeira are very use 209  
ful, but after the Inflammatory Action has taken  
place, they are highly Improper, Then bleeding  
is both Safe and Usefull. The Blood appears  
Sizy. Moderate and topical bleedings are best.

Plentiful Bleeding carries off the fit at once,  
but the Great debility Occasions, makes the fits  
more Liable to Recur - my Principles and Practice  
on this point are derived from the Experience of 20  
Years - they are directly Opposite to Brown, who  
Constantly Stimulates, and at Length fell a  
Victim to his Doctrine for he died of an Apoplexy.  
Though the disease depends on previous debility, it is  
not an Objection to Bleeding, more than in any  
Inflammatory fever - It is Remarkable that as soon  
as excess of Action takes place, which is known  
by pain in the gut, The Vomiting, and other Symp-  
toms of debility cease - Secondly; Purges of  
the Lenient kind. Sulphur is Generally pre-  
ferred - General Sinclair says he Remained  
free from Gout 3 Years by taking this Medicine,  
And Relates the Case of a Lady who Rode with



210 Him in the Stage, who was cured by taking  
a dose for 30 mornings. - If the Stomach and  
Bowels are attended with Flatulency, Warner's  
Mixture is much Superior - Norris. Mr. Small  
in the Medical commentaries Says he took them  
with Success in the beginning of Paroxysms.  
They perhaps in this case equalises the Excitement,  
the matter discharged from the Stomach, is often  
of an Acid nature. Blisters I have Used with  
Success, and have never Seen any harm from  
them. Chalmers Says they ought to be used as  
Soon as the pain becomes fixed - Cabbage leaves  
and Molasses are Very Pleasant to the feet.  
It is proper to Use Stimulants and Tonics earlier  
after bleeding in this; than any other fever;  
For it tends Very much to Ataxia Gastrica.  
I would advise the Patient to rise his Limbs  
as early as Possible, for by Raising himself  
from his back, he will frequently Avoid the  
Gravel - to prevent the Recurrence of fits - milk  
and Vegetable diet - Salads are too cold, and



Other Vegetables of that class Turnips and (288)  
Potatoes are better - the drink should be water  
for that has done wonders, White wine and  
Water, weak Small beer are all Useful, - a  
Medium of Exercise and temperance <sup>there</sup> of Body  
are highly Necessary - Omne Nimum est  
Naturae Imminuendum is never to be forgotten -  
avoid all Excessive evacuations - If bleeding  
is Necessary - Punge - if Punging is necessary,  
low diet Cold Bath in Summer is very  
Useful - Treatment of Atonic Gout -  
This may exist in Subjects of all Ages, both  
Species run into each other like fevers Accord-  
ing to the Seasons - The indication here as  
well as in the other Species Respects the fit  
and the Interval - In the fit we must apply  
Stimulants especially to the feet, as Spanish  
Flies, Mustards, Garlic - if a Sudden Stimulus  
is Necessary, apply a Red hot Iron, or boiling  
water to the part, the flour of Mustard ought  
not to lie on more than 3 Hours - if the Atonic  
Gout fixes on the Stomach, we must pour in



Wine by Gallons Volatiles are also to be used.  
Plasters of Venice Treacle may be applied to  
the Bowels - when there is only Sickness of  
the Stomach, Chamomile may be usefull.  
If it appears in the Bowels causing Colic  
Siquid Saccadatum is to be given - when  
in the Brain causing delirium, Coma &  
Blisters Pingu. &c. may be used. If there is  
an Excess of Action - Bleed - Sometimes it  
fixes on the Eye-Ball - in which case I have  
seen a Seton used with great Advantage.  
If it is seated in the Lungs causing Excessive  
Action - Bleed - Punge give Nitre, Blister &  
and Opium when the Action is taken down.  
If in the Throat, use the Same Remedies.

When it Occurs in Maniacial, dropsical and  
Melancholic Persons; Give tonics and Generous  
diet - Prevention. - Generous diet as Beef,  
Mutton, and even Salt meat drinks should  
be Madeira Wine &c. Moderate Exercise, Jes-  
tations - Swinging, Tonics, among which



Gout is exceeding fine, the use of the (213)  
Warm bath is very proper. I will here add  
that in all diseases of Gouty Persons, we should  
have an Eye to that disease, and not Evacuate  
too much, lest we bring it on. As in Child  
ren we should never loose Sight of Worms,  
As in Women we should never loose Sight  
of the Menfes. So in Men in high life we  
ought never to loose Sight of a disposition  
to Gout.

## Lecture 111

Rheumatologia or Chronic Rheumatism it Consists  
in Obstinate pains in the joints as muscular fibres  
without fever. — it may be distinguished from the gout  
by never Effecting the stomach and seldom the bowels  
and by its commonly Effecting the Labouring people  
and Soldiers — It is known from the Gout by  
Unusual disease by the Feet, rotten gums in the  
Tooth and Previous sores in the latter, Sometimes  
it follows Acute Rheumatism but more frequently



(214) Occurs without it, though generally a disease  
of Humble life. - It Sometimes affects those in high  
life, if they are addicted to much Walking or  
Other Exercises as Surveyors, It appears to be the  
middle Stage Between Gout & Rheumatism.  
Its predisposing cause is debility owing to the  
debilitating Remote Cause. the proximate  
cause is generally a defect, but in some ha  
bits an excess of Action in the Vessels, it being  
Chiefly seated in the Sanguiferous System,  
our Business is therefore to Excite this Action  
by Internal and External Stimuli. - as  
Tincture of Gum Guaiacum, in large quan  
tities to be respucc. a Tablespoonfull 2 or 3  
times a day of the Terebinth Tincture.  
It is Remarkable of this disease, that it is  
Often brought on by a very slight degree  
of Acid. It shews the intimate connection  
between the Stomach and External Sur  
face of the Body - there are two States of  
Action in this disease, a small degree of  
Tonic. or a fully Attonic. to each of them



when ever it Occurs, the diet must be = 215  
Sutted, as well as the Medicines. Among the  
External Remedies are the Cold Bath but  
how do we Reconcile this Since Cold is a Sed-  
ative, it Acts like the Succession of Heat to  
Cold in producing a fever, with this differ-  
ence, the fever on coming from both is Regu-  
lar and temporary - However when <sup>too</sup> much  
Excitability had been produced, it does harm  
Producing Headach &c. So that in the Aggre-  
gate it Acts as a tonic - It does Injury when  
the Vessels are in ~~for~~ torpid a State that  
no Excitability can be Accumulated, which  
is known by its ~~being used~~ use being followed  
by a Shivering Cold - in this case the warm  
Bath is proper in its Stead. Blisters, Issues.  
Caustics &c are proper when they excite Infla-  
mation - There is a Rheumatism in the Jaws  
which Fothergill Supposes to Arise from a Can-  
crous Humor, it Occurs Generally in the decline  
of Life, and Principally in women, there is



<sup>in</sup> 216 Generally a tumor, and it is attended with  
a hectic fever. It eludes Bark and Mercury  
and is cured by Hemlock

## Lecture 15<sup>th</sup>.

Nervous diseases, according to Doctor Cadwalader  
60 Years ago a nervous disease was not known here  
they have since made their Approaches Rapidly  
through Luxury and Intemperance. The consump-  
tion was then unknown here, the causes which  
now produce that disease, in that disease Period  
produces the Septic fatal Pneumonia and Rheu-  
matism, I shall here make a few Remarks,  
All Motion in the Animal Economy depends  
on Stimuli. Health depends on a Balance  
between Stimuli and the Powers of the System,  
diseases are Occasioned by an Excess or deficiency  
of Action why debility should produce Excess  
of Action, Cullen ascribes to the Vires Medicatrix  
Natura this I cannot admit, but Rather  
account for it thus, the debility or deficiency  
of Action increases the disposition to be acted



upon by Stimuli; for instance if I take a powerful  
Purge, or Lose 20 Ounces of blood, I shall increase  
the Excitability so much that I shall have a fit  
of Gout if I am Subject to that disease. Stimuli  
in different degrees are the causes of life, <sup>Health</sup> death, &  
diseases. The prevalence of Nervous diseases serves not  
only to show the Order of Nobility, but likewise  
the difference of Nations. The greater or less influence  
of the Christian Religion, as delivered in the new  
Testament is more conducive than any other to  
Health and long life - most Nervous diseases  
Effect first the Nervous System and afterwards  
the Arterial System by bringing it into Action,  
In some the Arterial and Nervous Systems are  
affected as Gout, Apoplexy, and Palsy. these in  
their Tonic or Inflammatory Stage are diseases of  
the Arterial System. in their Atonic; diseases of  
the Nervous System, there are diseases of deficiency  
and Excess of Action as in the Hysteria and  
Epilepsy. there are diseases consisting entirely in



deficiency of Action, as Hypochondriasis, there are diseases in which there is a total absence of Action, as Syncope, Apoplexy.

## Lecture 16<sup>th</sup>

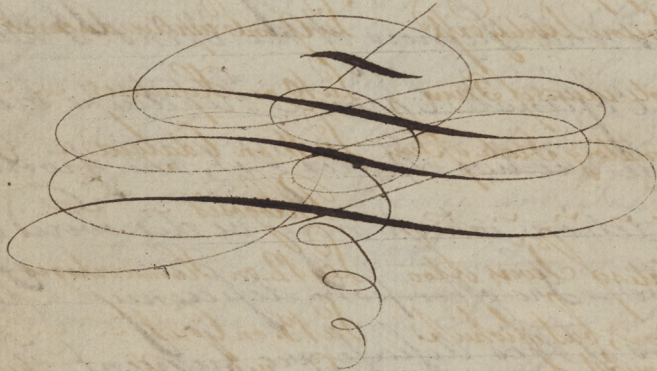
*Apoplexy* - This is a disease of the whole System. Its predisposing cause is General debility. It generally attacks People of Weak habits, Accustomed to high living, and old People - the Tendency of these Persons to Apoplexy is Increased by a Short neck, Large Head, Luxury and Intoxication. It is produced by an Intravasation or congestion of Blood in the Brain. It may be produced by Hydatids, and Various matters existing in the Brain, as Serum. Putrid matter, pus and blood - perhaps the Effusion of blood forms after death. may arise from the Struggle between life and death. among its Remote causes are Epilepsy - Hysteria. Isthemia. Anasarca. Worms. Gout translated. Eruptions. Inten-



mittent Fevers, Various noxious fumes, air &c 219  
Baglivi mentions So many dying with it at  
Bern at one time that it renders it probable  
it was Epidemical. It mostly occurs after open  
Winters, followed by warm Springs. among  
its exciting causes are Violent Exercise and  
Passions. Stoppage of Usual Evacuations —  
Purging. warm Bath. long Stopping. tight  
Ligatures and Tumors of the Veins. I have  
seen an Obstinate Chronic Headache bring  
it on. there are two Species of it, one from  
Excess of Action, which may be discovered by  
the Pulse. — The other from deficiency — <sup>amongst</sup> The  
Precursors of this disease are frequent Hemorrhages  
from the nose. Languor. Tremors —  
Sudden darkness. loss of Memory. Faulting  
of the Tongue &c. — In this State any Gentle  
Evacuations and low diet, will prevent the  
disease. Foaming at the mouth. and Sweat  
on the Forehead are bad Signs in this disease



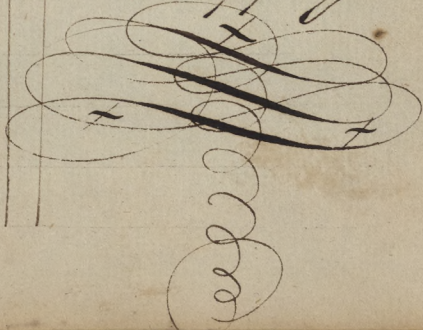
(220) In the cure of the first State, when the Action  
is too great, the most Speedy Evacuations are  
Proper, and the Patient kept erect. If these fail  
the disease Runs on to the Second Stage, and  
Then all Stimulant and Acrid Remedies  
are to be Used - Acid matters as Garlic held  
in the mouth. If the disease has proceeded  
from Worms - Anthelmintics are Necessary.





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